Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS—STEAM AND ELECTRIC

Maine—Fred B. Teeling, Litchfield, Maine, is interested in a project to construct an electric railway from Topsham to Monmouth, Maine, a distance of 33 miles.

New York—Preliminary surveys have been made for the construction of an electric railway along public highways between the towns of Sea Cliff, Glen Cove, Oyster Bay and Roslyn to connect with the New York & North Shore Traction Co. P. Clingman, 33 Pine St., New York, N. Y., is interested.

New York—Hornell Traction Co.—This company will double-track its line on Main St. and part of Broad St. D. A. Proctor, Hornell, is Gen. Mgr., Supt. and Pur. Agent.

New York—Schenectady Ry.—This company has been authorized to extend its line from Nott St. and Wendell Ave., Schenectady, the present terminus, along Nott St. to the Grand Blvd. at East Alley and then along the Grand Blvd. on a private right-of-way in the Town of Niskayuna. James F. Hamilton, Schenectady, is Gen. Mgr

New Jersey—Public Service Ry. Co.—This company is considering the construction of a railway from Woodbridge to Roosevelt. R. E. Danforth, Newark, is Gen. Mgr.

Pennsylvania—Pittsburgh & Lake Erie R.R.—This company plans to double-track its line from New Castle to Sharon. J. A. Atwood, Pittsburgh, Penn., is Ch. Engr.

Pennsylvania—Press reports state that a right-of-way is being secured for a railway to be constructed from Bedford through the Black Valley to Chaneysville, Penn., thence to Little Orleans, Md. New York Central R.R. is interested.

Virginia—Norfolk Water Front Belt Line Corporation—This company has been incorporated to construct a belt-line railroad from the tracks of the Norfolk & Western Ry. at Lambert's Point to the Atlantic City ward of Norfolk. A. P. Jones, D. Lawrence Groner and D. F. Watt, all of Norfolk, are the incorporators.

✚**Virginia**—Petersburg & Appomattox Ry.—This company has awarded the contract for the construction of an electric railway from Petersburg to City Point, about 10 miles, to the VAUGHN CONSTRUCTION CO., Roanoke, Va. The estimated cost is $200,000.

Virginia—Richmond & Rappahannock River Ry. Co.—According to press reports, this company plans to extend its line to Urbanna. Charles L. Ruffin, Richmond, is Vice-Pres. and Gen. Supt.

✚**North Carolina**—Southern Ry.—This company has awarded contracts for double-tracking its line as follows: Concord to Rocky River, N. C., about six miles, to H. H. THRASHER, Knoxville, Tenn.; Hayne, N. C., to Greer, S. C., about 17 miles, to the CORNELL-YOUNG CO., Greenville, S. C.; Greer to Greenville, S. C., about 13 miles, to the MORROW CONSTRUCTION CO., Atlanta, Ga. The estimated cost is $1,428,000.

Georgia—Hawkinsville & Western R.R.—This company has been leased by the Ocilla Southern R.R., which plans to improve same. D. C. Smith, Ocilla, Ga., is Gen. Mgr., Ocilla Southern R.R.

Florida—An election will be held in Miami, Sept. 21, to vote on the question of issuing $40,000 in bonds. The proceeds will be used to construct a railway from the west shore of Biscayne Bay to connect with the Florida East Coast Ry.

Mississippi—Meridian & Deepwater Ry.—This company will, according to press reports, start work about Dec. 1 on the construction of a railway from Meridian, Miss., to Myrtlewood, Ala., about 50 miles. S. A. Neville, Meridian, is Vice-Pres.

✚**Tennessee**—Tennessee Ry.—A contract has been awarded by this company to the HARRIMAN CONSTRUCTION CO., Harriman, Tenn., for the extension of its line from Oneida to Petros, Tenn., about eight miles, with three miles of branches. C. W. Butts, Oneida, is Ch. Engr.

Tennessee—H. H. Thrasher, Knoxville, Tenn., is interested in the construction of a railroad spur from Halls Station on the Southern Ry. to a marble quarry near Nebberts Springs. Estimated cost, $60,000.

Tennessee—Tennessee Electric R.R. Co.—This company has been organized to construct an electric railway about 275 miles long. Lee Baker and William Myers are interested.

Kentucky—Cumberland Traction Co.—This company has been incorporated to construct an electric railway from Hodgenville to Edmonton, Ky.

Ohio—Toledo-Detroit R.R. Co.—This company, formerly the Toledo, Ann Arbor & Jackson R.R. Co., will sell $523,000 in bonds. The proceeds will be used to complete the line from Toledo, Ohio, to Dundee, Mich.

North Dakota—Chicago, Milwaukee & St. Paul Ry.—According to press reports, this company plans to extend its Ortonville-Fargo branch to Grand Forks, N. D. C. F. Loweth, Chicago, Ill., is Ch. Engr.

Montana—Julius Rosholt, Fairmount, N. D., is interested in the construction of a railroad from Three Forks to Radersburg, Mont.

Missouri—Metropolitan St. Ry. Co.—This company will soon receive bids for extending its line about nine miles. J. M. Egan, Kansas City, is Pres. and Gen. Mgr.

Texas—Corpus-Christi-Ward Island Interurban Ry.—This company has been granted a franchise to construct an electric railway from Corpus Christi to Ward Island. The estimated cost is $1,000,000. J. H. Caswell, San Diego, Calif., is interested. Noted July 15.

Texas—El Paso Electric Ry. Co.—This company plans to construct a railway on Piedras St. from Tularosa St. to Alameda Ave., El Paso. L. C. Bradley, Dallas, is Asst. Dist. Mgr.

Texas—Marshall & East Texas Ry.—According to press reports, this company will be taken over by B. F. Yoakum and associates, who will extend the line from Elysian Fields, Tex., to New Orleans, La., about 300 miles, and from Winnsboro to Paris, Tex., about 50 miles.

Texas—Missouri, Oklahoma & Gulf Ry. Co.—This company plans to build additional yards at Denison, Tex. W. Kenefick, Kansas City, Mo., is Pres.

Texas—According to press reports, the Dallas Southwestern Traction Co. and the Dallas Northwestern Traction Co. will soon start work on the construction of a system of interurban lines. This will include a trunk line from Dallas to Austin, with branches to San Angelo, Brownwood, Lockhart, San Antonia and Denton. Noted Mar. 4 and Apr. 22.

Oklahoma—The Central States Construction Co. has been incorporated to construct an electric interurban railway to connect Joplin, Mo., and Miami, Tulsa and Collinsville, Okla. John R. Rose and J. R. Eldridge, Oklahoma, are interested. Noted Aug. 5.

✚**Washington**—Bellingham, Mt. Baker & Spokane R.R.—This company has awarded the contract for the construction of a railroad from Bellingham to Spokane, a distance of 228 miles, to E. J. FADER, New Westminster, B. C.

California—California Southern Ry.—This company has applied to the State Railroad Commission for permission to increase its capital stock from $400,000 to $1,000,000 and to create a bonded indebtedness of $750,000. The company plans to construct a railway from Blythe Junction on the Santa Fé River to the Town of Blythe in the Palo Verde Valley. G. W. Rice, Blythe Junction, is Ch. Engr.

LIGHT, HEAT AND POWER

Manchester, N. H.—The Manchester Traction, Light & Power Co. has taken out a permit for a new power house at Brook and Pennacook St., and also for the enlargement of its substation at Kelley's Falls. J. Brodie Smith is Vice-Pres. and Gen. Mgr. Noted May 6 and June 17.

New London, Conn.—It is reported that plans are being prepared for the construction of a new generating station and boiler plant for the Connecticut Power Co. in New London. It is stated that the present buildings will be removed and replaced by new structures. V. E. Bird, New London, is Mgr.

New London, Conn.—Revised plans are being prepared for the construction of a power station on William St. for the Shore Line Electric Ry. The plans call for a brick building 45x80 ft., and from 25 to 35 ft. high.

New York, N. Y.—(Borough of Queens)—Bids will be received until Aug. 23 by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., Borough of Manhattan, for electrical equipment for new Public School 97, Yarmouth and Shipley St., Woodhaven, Borough of Queens.

Newark, N. J.—It is reported that the James A. Banister Co., manufacturer of shoes, will build a new brick power house at its factory on Orange St.

Keyser, W. Va.—The Keyser Electric Light Co. contemplates the installation of new equipment in its plant and increasing the present output. N. J. Crooks is Mgr., Supt. and Cont. Agt.

New Orleans, La.—Press reports state that the City Council has decided to establish a municipal electric-light plant. The estimated cost is $6,000,000. W. J. Hardee is City Engr.

Lancaster, Ky.—The City Council is considering the installation of a municipal electric-light plant.

Ludlow, Ky.—(Official)—Bids will be received until noon, Aug. 22, by the Board of Education for the installation of a heating and ventilating plant in the present school building and also in the new building to be located about 35 ft. west of the present building. W. F. Matteson is Pres., and H. J. Ordelmundt, 137 Oak St., Ludlow, is Secy., Bd. of Education.

Cleveland Heights, Ohio—(Warrensville post office)—(Official)—Bids will be received until noon, Aug. 26, by Ezra K. Bryan, Clk. Bd. of Education, for heating system, plumbing, marble work, etc., in the new Cleveland Heights High School at Lee Rd. and Euclid Blvd. Walker & Weeks, 1900 Euclid Ave., Cleveland, is Arch.

✚**Painesville, Ohio**—The Board of Control has awarded the contract for new machinery equipment for the municipal electric-light plant to the KERR TURBINE CO., Wellsville, N. Y., at $9850. Noted July 8 and 15.

Shaker Heights, Ohio—(Cleveland post office)—(Official)—Bids will be received until noon, Sept. 7, by Carl A. Palmer, Clk. Bd. of Education, Shaker Heights Village School Dist., for alterations and additions to the heating plant of the school building at Coventry and Southington Rd.

Toledo, Ohio—Bids will be received until noon, Aug. 30, by A. M. Stowe, Pres. Bd. of Trustees, Toledo University, for new heating and ventilating systems in the University Building, 11th and Illinois St. Schreiber & Beelman, 812 Second National Bank Bldg., Toledo, is Arch.

Appleton, Wis.—The Wisconsin Traction, Light, Heat & Power Co. has engaged Woodmansee & Davidson, Consult. Engr., Chicago and Milwaukee, to prepare plans and supervise the construction of a 75x100-ft. addition to its steam-power plant. A. K. Ellis is Gen. Mgr.

✚Madison, Wis.—The Madison Gas & Electric Co. has awarded the contract for the construction of a power transmission station on Blount St. to the T. C. McCARTHY CO., Madison, at $17,000. Energy will be secured from a hydro-electric plant on the Wisconsin River at Kilbourn City, Wis.

✚Stevens Point, Wis.—(Official)—The Board of Regents of the Stevens Point Normal School has awarded contracts in connection with the construction of a new dormitory as follows: Heating equipment, HARRY SOHNS, $5587; plumbing, STEVENS POINT PLUMBING & HEATING CO., $8700; electrical work, NATWICK ELECTRIC CO., Stevens Point, $1574.

Marathon, Iowa—A special election will be held in September, at which the question of issuing $12,000 in bonds for the purpose of installing a municipal electric-light plant will be submitted to the voters.

Sergeant Bluff, Iowa—Bids will be received until 2 p.m., Aug. 23, by the Town Board for the construction of a transmission line from Sioux City to Sergeant Bluff, for a distribution system, street-lighting system, and building for switchboard and storage room. H. J. Ryan, Sioux City, is Engr.

Rochester, Minn.—It is reported that bids will soon be asked for the construction of a municipal electric-light plant. The estimated cost is $110,000. A. F. Wright is City Clk.

Manhattan, Kan.—The Manhattan Ice, Light & Power Co. contemplates the purchase of about $30,000 worth of new equipment for its plant, including a Diesel engine, alternator, exciter and a new switchboard. E. A. Wright, is Mgr.

Sharon Springs, Kan.—Plans are being prepared by W. E. Hulse & Co., Engr., Hutchinson, for remodeling the municipal electric-light plant. The estimated cost is $10,000.

Barnston, Neb.—The State Railway Commission has granted permission to George W. Steinmyer, Holmesvile, Neb., for the construction of a hydro-electric plant on the Blue River near Barnston.

Blair, Neb.—Bids will be received until Aug. 30 by the Village Clerk for the construction of a municipal electric-light plant. The Martz Engineering Co., First National Bank Bldg., Lincoln, is Engr.-in-Charge.

Shelton, Neb.—Bonds for $8000 have been voted, the proceeds of which will be used for the construction of a municipal electric-light and power plant in Shelton.

Denton, Tex.—The Lone Star Gas Co., Ft. Worth, has made application to the Commissioners Court of Denton County for permission to build a natural gas pipe line through the county.

Devine, Tex.—The Devine Light, Power & Ice Co., recently organized with a capital stock of $35,000, will build an electric-light and power plant and an ice factory. J. W. Fullerton is interested.

Terrell, Tex.—The Commercial Club is promoting a plan for building a gas manufacturing plant and installing a distribution system in Terrell. Local citizens will hold a part of the stock of the new company.

✚Yuma, Colo.—The city has awarded a contract for electrical equipment and supplies to the FAIRBANKS-MORSE CO. and the WESTINGHOUSE ELECTRIC CO., both of Denver, at $7140.

Everett, Wash.—A special election will be held Aug. 24 to vote on the question of authorizing the City Council to investigate the feasibility of establishing a municipal power plant. It is proposed to utilize the water of the Sultan River. J. Webster Hoover is City Engr.

Hanford, Calif.—It is reported that the Board of Education will install a new heating system in the grammar school building. The estimated cost is $7000. Henri Deriot is Arch.

St. Hilaire, Que.—Bids will be received until Aug. 23 by J. E. M. Desrochers for the construction of a new electric-lighting system. The estimated cost is $25,000.

Harriston, Ont.—The ratepayers have passed a bylaw providing for the installation of a hydro-electric system. John Patterson is Engr.

Southampton, Ont.—Plans are being prepared by J. C. Eskford for the construction of a new hydro-electric system. Bids will soon be asked. The estimated cost is $25,000.

Regina, Sask.—Bids will be received until Sept. 6 by the City Commissioners for furnishing two turbine pumps each capable of delivering 3,500,000 gal. per day. George Beach is Clk.

BRIDGES

Nashua, N. H.—The Board of Aldermen has voted in favor of a loan order of $15,000, to be used for bridge construction and repairs. James B. Crowley is Mayor.

✚Boston, Mass.—(Official)—Bids for the construction of a concrete bridge over Blacks Creek, Furnace Brook Parkway, Quincy, were opened by the Metropolitan Park Commission Aug. 10, as follows: Henry Spinach Contracting Co., Boston, $33,857; John P. Cavanaugh Co., Dorchester, $27,874; Coleman Bros., Chelsea, $26,000; Bay State Dredging Co., Ltd., Boston, $25,500; Lawler Bros., Charlestown, $25,333; HUGH NAWN CONTRACTING CO., Roxbury, $24,900 (awarded contract); William L. Miller Co., Charlestown, $18,842. Noted Aug. 5.

Norfolk, Mass.—Bids will be received until 8 p.m., Aug. 21, by A. Schuyler Clapp, City Engr., for the construction of a reinforced-concrete slab bridge in Lawrence St.

✚Woonsocket, R. I.—(Official)—The Board of Aldermen has awarded the contract for the construction of two reinforced-concrete bridges on Clinton St. to G. F. AUSTIN, Providence at approximately $6670. Noted June 17 and Aug. 5.

★Bridgeport, Conn.—(Official)—All bids received Aug. 7 for the construction of a reinforced-concrete bridge with a bascule span at Stratford Ave. were rejected. Charles C. Blackham is Secy. of the Stratford Ave. Bridge Commission. George M. Baldwin is Clk. Bd. of Contract and Supply. Noted July 22.

★Bridgeport, Conn.—(Official)—Bids will be received until noon, Sept. 4, by the Stratford Ave. Bridge Commission for the construction of a reinforced-concrete girder bridge with a double-leaf bascule channel span, and all substructure and approaches. Greiner & Whitman, Fidelity Bldg., Baltimore, Md., is Consult. Engr. See preceding item.

Hartford, Conn.—(Official)—The Board of Contract and Supply has awarded the contract for the construction of a concrete bridge with stone facings across the Park River to the SPAULDING CONSTRUCTION CO., Suffield, at $5,658. Other bidders were: C. H. Slocomb & Co., $15,793; W. J. Ryan Construction Co., $16,908; Howard J. Cole, $17,563; J. F. Goodrich, $17,755; Wise & Upson, $18,039. R. N. Clark is City Engr. Noted Aug. 5.

★Westport, Conn.—Bids were received Aug. 10 by the State Highway Commissioner, Hartford, for the construction of a bridge over the Saugatuck River, Westport. The bridge will be about 510 ft. long, including the draw. It will consist of twelve 35-ft. spans. Alternate bids were for (a) granite masonry; (b) brown stone masonry; (c) rubble masonry. The bidders were: Charles A. Sibley, 902 Chapel St., New Haven, (a) $131,026, (b) $119,546, (c) $110,936; Henry E. Fox, 51 East 125th St., New York, N. Y., (a) $112,203, (b) $115,078, (c) $100,006; Hudson River Co., Inc., New York, N. Y., (a) $123,980, (b) $126,805, (c) $112,455; Barker-Bonner, Inc., 15 East 41st St., New York, N. Y., (a) $154,148, (b) $145,538, (c) $152,713; Barzaghi-Vought Co., Inc., 299 Madison Ave., New York, N. Y., (a) $98,401, (b) $100,912, (c) $90,508; McHarg-Barton Co., 171 Madison Ave., New York, (a) $101,162, (b) $101,162, (c) $96,857; Thomas A. Scott Co., New London, (a) $166,954, (b) $161,129, (c) $155,489; Lathrop & Shea Co., New Haven, (a) $145,341, (b) $145,341, (c) $141,754; North Eastern Construction Co., 255 Fifth Ave., New York, (a) $133,101, (b) $125,567, (c) $124,491; Connecticut Good Roads & Construction Co., New Britain, (a) $156,633, (b) $145,153, (c) $149,478; Johnson-Gifford Co., 30 East 42d St., New York, (a) $137,051, (b) $126,001, (c) $112,656; A. L. Guidone & Sons, Inc., 131 East 23d St., New York, (a) $120,613, (b) $114,873, (c) $105,545; Daniel F. Toomey, South Norwalk, (a) $181,378, (b) $177,073, (c) $174,203. Noted June 10 and Aug. 5.

✚Westport, Conn.—The State Highway Commission has awarded the contract for the construction of the Saugatuck River Bridge to the McHARG-BARTON CO., 171 Madison Ave., New York, N. Y., at $101,162, using granite ashlar masonry. See preceding item.

Albany, N. Y.—Bids will be received until noon, Sept. 8, by W. W. Wotherspoon, State Supt. of Pub. Wks., Capitol Bldg., for the construction of the substructures, superstructures and approaches to the Gorham St. Bridge, Waterloo, and the Kingdom Rd. Bridge between Waterloo and Seneca Falls, under Contract L, Cayuga and Seneca Canal. The estimated cost of the work is $71,469.

★Delanco, N. J.—(Official)—Bids will be received until noon, Sept. 1, by the Board of Chosen Freeholders of Burlington County, Mt. Holly, for repairing the superstructure of the Delanco Draw Bridge over the Rancocas River at Delanco and Riverside. A. I. Davis is Dir. Bd. of Freeholders. James Logan is County Engr.

★Matawan, N. J.—(Official)—Bids will be received until 11 a.m., Sept. 8, by the Board of Chosen Freeholders of Monmouth County, Court House, Freehold, for the construction of a Strauss bascule trunnion bridge over Matawan Creek on the South Amboy-Keyport Rd. George D. Cooper, 60 Broad St., Red Bank, is County Engr. C. E. Close, 41 Main St., Matawan, is Clk. Bd. of Freeholders. Noted July 8 and 15.

New Brunswick, N. J.—Bids will be received until 2:30 p.m., Aug. 23, by the Board of Chosen Freeholders of Middlesex County for the construction of a reinforced-concrete culvert over Mill Brook on the Metuchen-Bonhamton Rd. Alvin B. Fox, Perth Amboy, is County Engr.

New Brunswick, N. J.—The Board of Chosen Freeholders of Middlesex County contemplates rebuilding the drawbridge over the canal at Albany St. Alvin B. Fox, Perth Amboy, is County Engr.

Bethlehem, Penn.—The County Commissioners of Lehigh and Northampton Counties will shortly advertise for bids for repairing and strengthening the Lehigh River Bridge at Bethlehem. The estimated cost is $40,000. R. S. Rathbun, Allentown, is County Engr. of Lehigh County.

✚Coatesville, Penn.—The County Controller and the Commissioners of Chester County, West Chester, have awarded the contract for the construction of a two-span reinforced-concrete bridge over the west branch of the Brandywine Creek in East Fallowfield Township, south of Coatesville, to DUNLEAVY BROS., Coatesville, at $6500. Other bidders were: Bender Construction Co., $7098; Corcoran Construction Co., $6989; McCormick & Son, $6781; Bean & Need, $6744.

Easton, Penn.—Bids will be received until Sept. 3 by the Commissioners of Northampton County for the construction of Bridge No. 1822 over Jacoby Creek in Upper Mt. Bethel Township. It will be of reinforced concrete.

✚Harrisburg, Penn.—(Official)—The Commissioners of Dauphin County have awarded the contract for a concrete bridge over the tracks of the Philadelphia & Reading Ry. at 19th St. to the FERRO CONCRETE CO., Harrisburg, at $17,866. Other bidders were: Stucker Construction Co., $19,430; Whittaker & Diehl, $18,630; H. R. Reimard, $18,722; S. W. Shoemaker & Son, $19,177. C. M. Hershey is County Engr. Noted Aug. 5.

Johnstown, Penn.—Revised plans for the proposed Horner St. Bridge have been submitted to the State Water Supply Commission for approval. The plans provide for a single span 225 ft. long. The cost will be approximately $50,000. Lee Masterton is City Engr.

★✚Philadelphia, Penn.—The Department of Public Works has awarded the contract for a reinforced-concrete bridge to carry Whitby Ave. over the tracks of the Philadelphia, Baltimore & Washington R.R. to F. J. BOAS, Philadelphia, at $34,741; the contract for a bridge on Front St. over the Municipal Hospital Drive was awarded to the PHILADELPHIA PAVING CO., at $11,792. List of bidders noted Aug. 12.

Luray, Va.—(Official)—Bids will be received until noon, Aug. 25, by the Clerk of the Circuit Court of Page County for the construction of a 143-ft. steel bridge over Naked Creek between Page and Rockingham Counties.

Charleston, W. Va.—The County Court of Kanawha County has instructed Frank G. Burdette, Engr., to prepare plans for a bridge about 150 ft. long over Davis Creek. New bridges will also be built over Morris Creek, just below Montgomery, and over Upper Creek, near Handley. These two bridges will cost about $8000 for the two.

Middlebourne, W. Va.—(Official)—Bids will be received until 1:30 p.m., Aug. 28, by the County Court of Tyler County for the construction of a reinforced-concrete arch at the Pollard crossing of Elk Fork Creek, Ellsworth District. J. E. Smith is Clk. of Court.

Dalton, Ga.—The Commissioners of Whitfield County plan to build a reinforced-concrete bridge across Coarulla Creek.

Jesup, Ga.—It is reported that the Commissioners of Liberty County, Hinesville, and Wayne County, Jesup, plan the construction of an inter-county bridge over the Altamaha River.

Miami, Fla.—An election will be held Sept. 21 to vote on the question of a bond issue for the construction of two bridges over the Miami River; one at Ave. D, costing $75,000, and one at Ave. G to cost $25,000. B. H. Klyce is City Engr. Noted July 15.

Elizabethtown, Ky.—(Official)—Bids will be received some time in October by R. P. Frankle, Road Engr. of Hardin County, Elizabethtown, for the construction of the Wooldridge Ferry Bridge. The estimated cost is $17,651, including abutments and fill, or $16,800 without them. J. S. Irwin is Clk. of Hardin County. Noted Aug. 12.

Lexington, Ky.—The Commissioners of Fayette and Madison Counties plan, according to press reports, to build a $150,000 bridge across the Kentucky River between the two counties.

Lexington, Ky.—It is reported that the Louisville & Nashville R.R. will build new approaches to its viaducts on Jefferson and Main St., Lexington. W. H. Courtenay, Louisville, is Ch. Engr.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Aug. 24, by Philip Fosdick, Dir. of Pub. Ser., for rebuilding the bridge on Wehrmann Ave. over the tracks of the Cincinnati, Lebanon & Northern Ry.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Aug. 27, by Philip Fosdick, Dir. of Pub. Ser., for the reconstruction of all existing bridges on Este and Clinton Springs Ave. Parke S. Johnson is Secy., Dept. of Pub. Ser.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Sept. 3, by the Board of Commissioners of Hamilton County for the construction of a concrete bridge and culverts on Ridgeway Ave., Springfield Township, Specification No. 807, and for a concrete bridge on Rapid Run Rd., west of Neeb Rd., Delhi Township, Specification No. 810. Albert Reinhardt is Clk. of Comrs.

Grand Rapids, Ohio—Bids will be received until 10 a.m., Sept. 3, by Charles J. Sanzenbacher, Audr. of Lucas County, Toledo, for constructing a creosoted wood block floor and painting the bridge over the Maumee River at Grand Rapids, Wood and Lucas Counties. C. E. Stinebaugh, Bowling Green, is Audr. of Wood County.

Niles, Ohio—Bids will be received until Aug. 23 by the Board of Commissioners of Trumbull County, Warren, for the construction of the substructure and superstructure of the Summit St. Bridge. W. R. Harrington is County Audr.

Bedford, Ind.—(Official)—Bids will be received until 1 p.m., Aug. 28, by the Board of Commissioners of Lawrence County for the construction of four county bridges. Ezra W. Edwards is County Audr.

Crawfordsville, Ind.—The Board of Commissioners of Montgomery County has appropriated $4000 for rebuilding Remley Bridge over Offield Creek.

Richmond, Ind.—Bids will be received until 11 a.m., Aug. 21, by L. S. Bowman, Audr. of Wayne County, for the construction of the Spruce St. Bridge over Paddy's Run in the town of Centerville; a concrete culvert about one mile south of Centerville; the North 12th St. Bridge over the White Water River in the city of Richmond, and repairing the Short Creek Bridge on the Richmond and Liberty Pike in Wayne Township.

Detroit, Mich.—Bids will be received until Sept. 1 by the Department of Public Works for repairing the Belle Isle Bridge at a cost not to exceed $100,000. George H. Fenkell is Comr. of Pub. Wks. Noted June 17 and July 22.

✚Dixon, Ill.—(Official)—The Superintendent of Highways of Lee County has awarded the contract for reflooring the Grand Detour Bridge between Lee and Ogle Counties to the FREEPORT BRIDGE CO., Freeport, at $7778. Other bidders were: North Steel & Concrete Co., Freeport, $8386; Meffley & Son, Galena, $9010; Wellingford Co., Prophetstown, $8962; Bilmore Co., Ashton, $8834; Winamac Construction Co., Winamac, Ind., $7759; E. B. Lloyd, Dixon, $7580; McAlpine Co., Dixon, $8378; Cox & Johnson, Dixon, $7995. Noted Aug. 5.

✚Audubon, Iowa—(Official)—The Board of Supervisors of Audubon County has awarded the contract for the construction of five concrete culverts and two bulkheads to the JENSEN CONSTRUCTION CO., Kimballton, Iowa, at $4013. Other bidders were: Lang Construction Co., $4225; Kimballton Construction Co., $4250. C. D. Forsbeck is County Engr. Noted Aug. 5.

Des Moines, Iowa—Plans are being prepared by John W. Budd, County Engr. of Polk County, for the construction of about 20 bridges and culverts to cost from $500 to $1000 each. Bids will soon be asked. F. J. Alber is County Audr.

Guthrie Center, Iowa—(Official)—Bids will be received until 1 p.m., Aug. 24, by the Auditor of Guthrie County for the construction of three county bridges.

Austin, Minn.—Bids will be received until 4 p.m., Sept. 10, by the Commissioners of Mower County for the construction of 19 bridges. O. J. Simmons is County Audr.

Ellinwood, Kan.—(Official)—Bids will be received until noon, Sept. 7, by C. F. Younkin, Clk. of Barton County, Great Bend, for the construction of a reinforced-concrete bridge across the Arkansas River between Lakin and Comanche Townships, about one mile south of Ellinwood. The bridge will be about 400 ft. long with a 24-ft. roadway. Noted July 22.

Ellsworth, Kan.—Bids will be received until Sept. 18 by the Commissioners of Ellsworth County for the construction of a 280-ft. reinforced-concrete bridge, for repairing a 250-ft. steel bridge, and for building eight miles of roads and culverts in Garfield and Empire Townships. A. J. Klingenschmidt is County Clk. G. R. Wolf is County Engr.

✚Wichita, Kan.—(Official)—The Commissioners of Sedgwick County have awarded the contract for a reinforced-concrete bridge over the drainage canal on 21st St. to the GLOBE CONSTRUCTION CO., Wichita, at $3797. Other bidders were: Canton Bridge Co., $4155; Missouri Valley Bridge & Iron Co., $3823. An appropriation of $4000 is available for the work. H. B. Barrett is County Clk. Noted July 29.

✚Ft. Yates, N. D.—(Official)—The Commissioners of Sioux County have awarded the contract for the construction of two steel bridges to the D. D. BIDWELL CO., Hazelton, N. D., at $3960. Other bidders were: M. A. Adams & Co., $4196; Linton Bridge Construction Co., $4260; Fargo Bridge & Iron Co., $4085; Iowa Bridge Co., $3996. Noted July 22.

Chillicothe, Mo.—It is reported that the Livingston County Court will soon ask bids for replacing bridges destroyed by the recent floods. The estimated cost is $75,000.

Llano, Tex.—It is reported that the Commissioners Court of Llano County has ordered plans prepared for a new bridge over the Colorado River. James T. Powers, Dallas, is Engr.

Lawton, Okla.—The Board of Commissioners of Comanche County has appropriated $15,000 for the construction of a number of small concrete and steel bridges. S. A. Joyner is Engr.

✚Tucumcari, N. M.—James A. French, State Engr., Santa Fé, has awarded the contract for the construction of five bridges in Quay County to the MISSOURI VALLEY BRIDGE & IRON CO., Kansas City, Mo., at $10,710.

Walla Walla, Wash.—(Official)—Bids will be received until 2 p.m., Sept. 10, by the Commissioners of Walla Walla County for the construction of the Swegle Bridge. It will consist of a 102-ft. steel span or two 50-ft. reinforced-concrete arches. G. C. Cookerly is County Engr. Noted Aug. 5.

✚Baird, Calif.—(Official)—The State Highway Commission, Sacramento, has awarded the contract for a 395-ft. reinforced-concrete bridge across the Pit River to the ROSS CONSTRUCTION CO., Sacramento, at $28,235. Noted Aug. 5.

Berkeley, Calif.—(Official)—The lowest bid received by the City Council on Aug. 3 for the construction of a concrete bridge across Codornices Creek on Walnut St. was that of D. McDonald, Livermore, Calif., at $5675. Noted July 22.

✚Bradley, Calif.—The Board of Supervisors of Monterey County, Salinas, has awarded the contract for a reinforced-concrete bridge across the Salinas River at Bradley to W. L. GILLHAM & SON, at $14,400.

✚Burlingame, Calif.—The City Trustees have awarded a contract for the construction of 10 bridges to CHRIS LARSEN, Easton, Calif., at $20,575.

El Monte, Calif.—The lowest bid received by the Supervisors of Los Angeles County, Los Angeles, for the construction of a steel bridge over the San Gabriel River near El Monte was that of Mesmer & Rice, Marsh-Strong Bldg., Los Angeles, at $93,000. Noted July 29.

Fairfield, Calif.—It is reported that the Board of Supervisors of Solano County will receive bids in September for the construction of three bridges, one over Pleasant Valley Creek in Bacaville Township, and two over Green Valley Creek, one near Cordelia and the other near Nightingale Ranch.

✚Martinez, Calif.—The City Trustees have awarded the contract for the construction of two bridges across Alhambra Creek to MAGEE & LAYAS, San Francisco, at $18,000.

Red Bluff, Calif.—(Official)—Bids were opened Aug. 2 by the Board of Supervisors of Tehama County for the construction of three bridges. The lowest bids were: Ross Construction Co., Sacramento, at $109,000 for the Sand Slough Bridge; McLeran & Peterson at $14,000 and $17,000 respectively for the Samson Slough and Paynes Creek Slough Bridges. H. S. Kuhn is County Clk. Noted July 22.

Ventura, Calif.—Bids will be received until Aug. 25 by the Board of Supervisors of Ventura County for constructing the south abutment and approach to the Saticoy Bridge, Saticoy, and for the construction of the Conejo Bridge near Camarillo, to consist of eight 30-ft. spans. J. R. McCloskey is County Clk.

Ventura, Calif.—It is reported that plans are being prepared by the County Surveyor for replacing 12 bridges and culverts destroyed by the floods of last year. The estimated total cost is $45,000.

★China—(Official)—Bids will be received until 10 a.m., Sept. 25, by Robert W. Hunt & Co., Consult. Engr., Monongahela Bank Bldg., Pittsburgh, Penn., for supplying about 845 tons of steel bridges for the Hankow-Ichang Section of the Chinese Hankow-Szechuan Government Ry.

WATER SUPPLY—IRRIGATION

Jamestown, N. Y.—(Official)—Plans are being prepared by Chapman & Graham, Gokey Bldg., Jamestown, for the construction of a 32,500-gal. covered concrete reservoir, pumping station and pipe line for the Atlas Marvel & Level Furniture Companies of Jamestown.

★New York, N. Y.—(Official)—Bids were received Aug. 10 by the Board of Water Supply for making six borings at the Hudson siphon of the Catskill aqueduct in Fishkill as follows: E. J. Longeer Co., $13,445; Harper Machine Co., $12,163; Sulli-

van Machine Co., $12,145; Pennsylvania Drilling Co., $13,343; W. G. Stearns, $22,078; S. A. Knowles, $14,702; Sprague & Henry, $13,041, and Giles Clark, $16,454. Noted July 22.

New York, N. Y.—(Official)—Bids will be received until 11 a.m., Aug. 31, by the Board of Water Supply, Municipal Bldg., for furnishing and erecting water-pipe equipment for operating valves in the shafts of the city tunnel of the Catskill Aqueduct.

✚New York, N. Y.—(Borough of Brooklyn)—(Official)—The contract has been awarded to the JOHN H. HEARN CONSTRUCTION CO., 63 West 46th St., New York, at $20,000, for constructing the New Utrecht pumping station at 14th St., Borough of Brooklyn. Noted July 1.

East Orange, N. J.—(Official)—Bonds for $125,000 have been sold, the proceeds of which will be used for the construction of a distributing system. Lincoln E. Rowley is City Clk. Noted July 22.

Gloucester City, N. J.—Bids will be received until Aug. 20 by the city for furnishing and installing equipment for the water-works and driving a deep well. A. Blatchley, Drexel Bldg., Philadelphia, Penn., is Engr. and J. F. Lenny is City Clk.

Pitman, N. J.—The Board of Public Utility Commissioners has ordered the Pitman Water Supply Co. to install fire hydrants in the borough.

✚Easton, Penn.—The contract has been awarded by the South Easton Water Co. to the R. T. & C. D. STEWART CO., Easton, for constructing about a mile of water mains from 23rd St. to the Eilden tract in Palmer Township.

Johnstown, Penn.—The Johnstown Water Co. plans to build an 800,000,000-gal. reservoir on Laurel Run.

Annapolis, Md.—The Annapolis Water Co. has decided to install a liquid chlorine plant. Noted May 20.

Bloomington, Md.—The Piermont Water-Works Co. plans to install a liquid chlorine plant.

Silver Spring, Md.—The installation of a water system is under consideration by the Commissioners of Montgomery County.

Orange, Va.—An election will be held Aug. 31 to vote on the question of issuing $10,000 in bonds, the proceeds of which will be used for the improvement of the water system.

South Boston, Va.—(Official)—Bonds have been voted by the citizens, the proceeds of which will be used for the installation of a water system. As soon as the bonds are sold, the work will be advertised. W. L. Penick is Mayor. Noted Feb. 11 and Aug. 5.

Apex, N. C.—A franchise has been granted to the Municipal Service Corporation to construct and operate water, sewer and electric-light systems.

Lumberton, N. C.—The improvement of the water system and electric-light plant is contemplated by A. E. White, Mayor. The estimated cost is $25,000. Gilbert C. White, Charlotte, is Consult. Engr. Noted Dec. 3, 1914.

Raeford, N. C.—The citizens voted in favor of issuing bonds for $30,000, the proceeds of which will be used for the construction of water and sewer systems.

Salisbury, N. C.—Bonds for $125,000 have been voted by the citizens, the proceeds of which will be used for the construction of a pumping plant on the Yardkin River. Noted May 6 and July 15.

Atlanta, Ga.—An election will be held Sept. 30 to vote on the question of issuing $750,000 in bonds, the proceeds of which will be used for the improvement of the water system. R. M. Clayton is Chn. of Construction. Noted Aug. 5.

Boston, Ga.—Plans are being prepared by W. Hopson Goobloe, Macon, for the extension of the water system. The estimated cost is $25,000. Noted July 29.

Salerno, Fla.—According to press reports a company will be incorporated with $200,000 capital by B. W. Mulford and others and will construct a water system and electric-light system.

Gretna, La.—Bids will soon be received for the construction of a water system. Plans have been prepared by Frank T. Payne, City Engr. The estimated cost is $45,000. Noted July 15 and 22.

South Fulton, Tenn.—(Fulton post office)—An election will be held Sept. 4 to vote on the question of issuing $5000 in bonds, the proceeds of which will be used for the construction of a water system.

✚Shelbyville, Ky.—The contract has been awarded to the CONTINENTAL JEWEL FILTRATION CO., New York, N. Y., at $15,000, by the Kentucky Utilization Co. for the installation of a filtration plant. Noted Apr. 29.

Attica, Ohio—Bids will be received the latter part of September for the construction of a filtration plant. The estimated cost is $9000. John Schoppler is City Clk. Noted July 22.

Cleveland, Ohio—Bids will be received until noon, Aug. 20, by A. R. Callow, Comr. of Pur. and Supplies, for making borings at the site of the proposed Kirkland filter plant and for excavating test pits.

East View, Ohio—(Warrensville post office)—(Official)—Bids will be received until noon, Aug. 30, by Charles E. Burger, Clk., for constructing a 6-in. water main in Allen and Elm St. The Pease Engineering Co., Marshall Bldg., Cleveland, is Engr. Noted July 29.

Kings Mills, Ohio—The Peters Arms Co. will install a cold water system at its plant. About 4500 ft. of pipe will be required.

Middletown, Ohio—The citizens voted in favor of issuing bonds for $120,000, the proceeds of which will be used for the construction of a water system.

Wellington, Ohio—The low bidder for constructing a water system was Gangla & Shannon, Akron, at $35,615. The Kennicott Co., 134 South La Salle St., Chicago, Ill., was low bidder at $5000 for filter equipment. Noted July 15.

Indianapolis, Ind.—The Board of Public Works has authorized the laying of water mains in portions of Beechwood Ave., Ohio and Gale St. and in Hemlock Ave.

New Albany, Ind.—Bids will soon be received by the New Albany Water Works Co. for the construction of a filtration plant.

Chicago, Ill.—Bids will be received until Aug. 20 by W. R. Moorhouse, Comr. of Pub. Wks., for constructing a chlorinating plant at the 22nd St. pumping station.

Monticello, Ill.—(Official)—Bids will be received until 7 p.m., Sept. 7, by the City Clerk, for furnishing and installing a deep well pump and service pumps.

St. Charles, Ill.—Bids will be received about Sept. 1 by the Local Improvement Board for making extensions to the water system. About three miles of water mains will be laid. John W. Wilson, Haines Blk., St. Charles, is Engr.

Sparta, Ill.—Bids will be received until Aug. 24 by I. F. Swain, City Clk., for constructing a water system. Noted June 3.

Jefferson, Wis.—(Official)—Bids will be received until 2:30 p.m., Aug. 30, by the Water & Light Department, for the construction of two steel tainter gates, each 16x6½ ft. with gate hoists and three concrete piers. C. B. Stewart, Madison, is Consult. Engr.

Kewaunee, Wis.—Plans have been prepared for the construction of a new water system. Bonds for $30,000 have been voted for the construction of the water system.

Manitowoc, Wis.—The city plans to install two pumps at the water-works. Arthur Reichert is City Clk.

Milwaukee, Wis.—The Council contemplates spending $7500 to make an investigation including test borings of feasibility of extending the Linwood Ave. intake water tunnel 2500 ft.

Arcadia, Iowa—Bonds for $7500 have been voted by the citizens. The proceeds will be used for the construction of a water system.

Charlton, Iowa—(Official)—Bids will be received until 2 p.m., Aug. 24, by W. H. Householder, City Clk., for constructing an earth dam of about 55,000 cu.yd. of embankment, pump house, gravity filter plant, pumps, motors, engines and 12,800 ft. of 10-in. force main. M. G. Hall, Centerville, is Engr. Noted July 1 and Aug. 5.

✚Denison, Iowa—(Official)—Bids were received Aug. 12 for drilling a well as follows: W. H. GRAY & BRO., Chicago, Ill., at $6000 (awarded contract); R. F. Shirkliff, Robinson, Ill., $6450; S. B. Geiger, Chicago, Ill., $6800; W. H. Cater Contracting Co., Chicago, Ill., $6900; C. P. Brandt Co., Indianapolis, Ind., $8300, and Cambridge Drilling Co., Cambridge, Ill., $8500. Noted July 15 and 29.

✚Riverside, Iowa—The contract for the laying of water mains was awarded to BASH & JONES, Joplin, Mo., at $8474. Other bidders were: Alamo Engine & Supply Co., Omaha, Neb., $8778; Public Service Construction Co., Omaha, Neb., $9339; the Bickel Co., Kansas City, Mo., $9021; Ludlow Valve Co., Chicago, Ill., $9085; Theodore Becker, Geneseo, Ill., $9988; C. W. Roland & Co., Des Moines, $9362. The contract for the construction of an elevated tank was awarded to the DES MOINES BRIDGE & IRON CO., Des Moines, at $12,351. The Chicago Bridge & Iron Co., Chicago, Ill., at $13,200, was the only other bidder. Noted July 22.

Shelby, Iowa—Plans are being prepared by J. H. Mayne, Council Bluffs, for the construction of a water system.

Traer, Iowa—A special election will be held to vote on the question of issuing $6000 in bonds, the proceeds of which will be used for the enlargement of the water system. Noted May 27.

✚Duluth, Minn.—The contract has been awarded to SIMON JOHNSON, at $6012, by the City Council, for laying water and gas mains in Minnesota Ave.

Luverne, Minn.—(Official)—Bids will be received until Aug. 24 by S. C. Rea, City Recdr., for constructing a reinforced-concrete reservoir.

Oswego, Kan.—The citizens contemplate issuing bonds, the proceeds of which will be used for the extension and improvement of the water system.

Milligan, Neb.—Bids will be received until 10 a.m., Aug. 24, by the City Clerk for constructing a water system. The estimated cost is $9800. The Martz Engineering Co., Lincoln, is Engr. Noted June 10.

Pleasanton, Neb.—Bonds for $9000 have been voted. The proceeds will be used for the construction of a water system. E. H. Morey, Kearney City, is Engr.

Missoula, Mont.—(Official)—The citizens, at a recent election, voted against the question of issuing bonds, the proceeds of which was to have been used for the construction of a water system. Noted July 1.

Eldorado Springs, Mo.—An election will be held Aug. 24 to vote on the question of issuing $15,000 in bonds, the proceeds of which will be used for the extension of the water system. O. E. Siders is City Clk.

Plattsburg, Mo.—Plans are being prepared by E. B. Murray, 920 Walnut St., Kansas City, for the construction of a water system, the estimated cost of which is $28,000.

Adkadelphia, Ark.—A filter will be constructed on Ouachita River by the Arkansas Light & Power Co. The estimated cost is $75,000. Noted Oct. 1.

Sparkman, Ark.—The construction of a water system is under consideration.

Walnut Ridge, Ark.—The city plans to construct a water system, the estimated cost of which is $40,000. W. E. Beloate is Comr. Noted June 3.

Mineral Wells, Tex.—At a recent election the citizens voted against the question of issuing bonds for $74,000. The proceeds was to have been used for the purchase of Lake Pinto and for the construction of a water system. Noted July 8.

Hill City, Idaho—A water system will be installed by H. Scruggs, Hill City, according to press reports.

Hollister, Idaho—A water system will be installed by the Townsite Co. R. E. Shepherd is interested.

Pocatello, Idaho—An election will be held to vote on the question of issuing $400,000 in bonds, the proceeds of which will be used for the construction of a municipal water system.

St. Maries, Idaho—(Official)—Bids will be received until noon, Aug. 23, by Charles R. Schulte, City Clk., for laying and relaying wood and steel water mains and constructing a small concrete dam. A. L. Jaqueth is Engr. The estimated cost is $37,000. Noted July 22 and Aug. 5.

Bingham Canyon, Utah—(Official)—Bonds for $17,000 have been sold. The proceeds will be used for the improvement of the water system. F. W. Quinn is Town Clk. Noted July 29.

Aberdeen, Wash.—Bonds for $500,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system. Noted Aug. 5.

Bremerton, Wash.—Bonds for $40,000 have been voted by the citizens, the proceeds of which will be used for the improvement of the water system.

Hillyard, Wash.—Plans will be prepared by Sawyer Bros., White Bldg., Seattle, for the construction of a reservoir. The estimated cost is $8000. Noted Aug. 12.

✚**Pateros, Wash.**—The contract has been awarded to A. E. WIDLAND, Pateros, at $7196, for the construction of a water system. Noted July 22.

Portland, Ore.—The City Commission has granted authority to Commissioner Daly, Dept. of Pub. Utilities, to make a preliminary investigation for supplying the suburban part of St. John, recently annexed to Portland, with water.

Portland, Ore.—D. D. Clark, Water Engr., is making surveys for the construction of a pumping station, reservoirs and laying mains in Linnton addition.

✚**West Lynn, Ore.**—The contract has been awarded to the OREGON ENGINEERING & CONSTRUCTION CO., Oregon City, at $65,000, for constructing a distributing system. Noted July 8.

Los Angeles, Calif.—The State Water Commission has been petitioned by the city to allow 12 years for the completion of the water-supply project. E. P. Scattergood is Engr.-in-Charge.

Chatham, N. B.—A reservoir will be constructed at an estimated cost of $20,000. A. N. McKay is Engr.

Beauceville, Que.—Bids will soon be received by the Town Council for the construction of water, drainage and electric-light systems. F. Mignault, Sherbrooke, is Engr. Noted June 17.

SEWERS

Rochester, N. H.—Bids will be received until Aug. 31 by the Water and Sewer Committee for the construction of approximately 8100 ft. of 8- to 12-in. pipe sewers. F. Hussey is Clk. of the Water and Sewer Com.

✚**Boston, Mass.**—(Official)—Bids were received Dec. 23 by the Department of Public Works for the construction of the Faneuil Valley Brook Conduit in Faneuil and Oakland St. from H. F. SPINACH, at $16,584 (awarded contract); A. Cefalo, $16,661; J. Landis, $17,193; McCarthy & Walsh, $17,297; M. De Sisto, $17,390; James J. Conway, $17,391; West Roxbury Trap Rock Co., $17,567; M. H. Kelley, $17,962; J. Driscoll Son, $17,978; Merrimack Construction Co., $18,149; A. Barufaldi, $18,445; William L. Dolan, $18,979; J. McCourt Co., $22,539; Engineer's estimate, $18,928. Noted Dec. 17.

✚**Pittsfield, Mass.**—The contract for the construction of 17 new filter beds at the sewage-disposal plant has been awarded to R. W. EMERSON, Pittsfield, at $21,544. Noted July 29.

★**Woonsocket, R. I.**—(Official)—Bids will be received until 4:45 p.m., Aug. 24, by the Board of Sewer Commissioners for the construction of approximately 4400 ft. of 8-in. and 500 ft. of 15-in. sanitary sewers and appurtenances. Frank H. Mills is City Engr.

Brockport, N. Y.—Bids will be received until Aug. 25 by F. E. Reynolds, Village Clk., for the construction of a sewage-disposal plant. The estimated cost is $25,000. Noted June 3.

Buffalo, N. Y.—The City Council will construct sewers in Texas and Babcock St.

★**Buffalo, N. Y.**—(Official)—Bids will be received until 2:30 p.m., Aug. 25, by the State Hospital Commission, Albany, for the renewal of sewer lines at the Buffalo State Hospital. E. S. Elwood is Secy. State Hospital Comn.

✚**New York, N. Y.**—(Borough of Bronx)—(Official)—The contract for the construction of sewers and appurtenances in Randall, Metcalf and Bronx River Ave. has been awarded to RODGERS & HAGGERTY. Noted July 22.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., Aug. 25, by L. H. Pounds, Borough Pres., for the construction of sewers in Clara, 54th, East 26th St., Kenmore Pl., Dumont and Rochester Ave.

✚**New York, N. Y.**—(Borough of Manhattan)—(Official)—The contract for the relocation and reconstruction of sewers in Rector St. has been awarded to the LAWRENCE CONTRACTING CO., 2409 Walton Ave., New York, at $11,886. Noted Aug. 12.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received Aug. 16 by Marcus M. Marks, Borough Pres., for the construction of sewers in Ellwood St. and Sherman Ave., from: Di Menna & De Paola, $6269; C. E. Farrell Co., $5005; Knight & Di Micca, $5812; Lawrence Contracting Co., $5452; J. J. Halduvan, $5706; Carafagno & Dragonetti, $5187; Casperino & De Blasio, $6068; Briggs & McLaughlin, $5348; Patrick Reilly, $5717; Joseph L. Brennan, $5964; Di Menna & De Blassia, $5005; Melrose Construction Co., $5297; W. F. Elray, 1640 Maconds Rd., New York, $3512. Noted Aug. 12.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until noon, Aug. 24, by Calvin D. Van Name, Borough Pres., for the reconstruction of sewers in Taylor St.

★**Oswego, N. Y.**—(Official)—Bids will be received until 2 p.m., Aug. 20, by the Department of Public Works for sewer construction. Charles W. Linsley is Comr. of Pub. Wks.

✚**Yorktown Heights, N. Y.**—(Official)—Bids will be received until 2:30 p.m., Aug. 31, by William B. Osgood Field, Pres. of Bd. of Mgrs., New York State Training School for Boys, for the construction of sewers and a sewage-disposal plant at the New York State Training School for Boys.

Jersey City, N. J.—Bids will be received until 11 a.m., Aug. 26, by the city for constructing sewers in Jackson Ave. from Woodlawn Ave. and Warner St. M. I. Fagen is City Clk.

Newark, N. J.—Bids will be received until 3:30 p.m., Aug. 26, by the Board of Street and Water Commissioners for the construction of Section No. 1 of the Meadowbrook Outlet Sewer. M. R. Sherrerd is Engr.

South Orange, N. J.—Bids will be received until 8 p.m., Sept. 7, by the Township Committe for the construction of sanitary sewers in Millburn Ave. Edmund R. Halsey is Engr.

✚**Erie, Penn.**—The contract for the construction of sewers in Ash and Third St. has been awarded to the CENTRAL OHIO CONSTRUCTION CO., at $4503.

Lebanon, Penn.—Bids will be received until 5 p.m., Aug. 25, by T. R. Crowell, City Engr., for the construction of a sewage-disposal plant with a capacity of 900,000 gal. Noted July 29.

Sellersville, Penn.—Bids will be received until Aug. 30 by H. J. Zane, Borough Secy., for the construction of approximately 22,640 ft. of 8-, 10- and 12-in. sewers. Bascom & Sieger, Room 505, Allentown National Bank Bldg., Allentown, is Engr.

West Chester, Penn.—Bids will be received until Aug. 24 by the city for the construction of a sewage-disposal plant and 1500 ft. c.-i. force mains. Remington & Vosburg, Camden, N. J., is Consult. Engr. Noted July 29.

Rockville, Md.—Plans are being prepared for the construction of a sewer system and a sewage-disposal plant in the Little Falls Branch District. The estimated cost is $125,000. Noted July 8.

Silver Springs, Md.—(Official)—The State Board of Health has instructed the County Commissioners of Montgomery County to install sewer and water systems.

Towson, Md.—The city contemplates the construction of a sewer system and a sewage-disposal plant. The estimated cost is $40,000.

Harrisonburg, Va.—(Official)—An Imhoff sewage-disposal plant and filter beds will be constructed by the city forces. The estimated cost is $6000. J. H. Downing is Mayor. Noted Aug. 5.

Philippi, W. Va.—At a recent election the citizens voted to issue $20,000 in bonds. Part of the proceeds will be used for the construction of sewers.

Salisbury, N. C.—At a recent election the citizens voted to issue $20,000 in bonds. Part of the proceeds will be used for the construction of sewers. Noted July 15.

✚★**Greenville, S. C.**—(Official)—The contract for the construction of sanitary sewers has been awarded to CASE & COTHRAN, Atlanta, Ga., at $11,006. Other bids were: Slattery & Henry, Greenville, $12,607; Sullivan, Long & Hagerty, Bessemer, Ala., $11,617; Porter & Boyd, Charlotte, N. C., $14,338; B. F. Meeks Construction Co., Atlanta, Ga., $12,603; Dysard Construction Co., Atlanta, Ga., $11,206; Smallwood Construction Co., Chattanooga, Tenn., $15,057; J. R. Lawrence & Son, Greenville, $11,529. Noted Aug. 5.

Dunedin, Fla.—An election will be held Sept. 14 to vote on the question of issuing $5500 in bonds. The proceeds will be used for the construction of sanitary sewers and a sewage-disposal plant. Walter Bull is Mayor. Noted Aug. 5.

Miami, Fla.—An election will be held Sept. 21 to vote on the question of issuing $50,000 in bonds, the proceeds of which will be used to pay the city's share of the cost of constructing sanitary sewers. Noted July 8.

Ocala, Fla.—(Official)—Bids will be received until Sept. 14 by J. M. Meffert, Pres. of the Council, for the construction of a sewer system and a sewage-disposal plant. The estimated cost is $100,000. Noted Aug. 12.

Akron, Ohio—Bids will be received until noon, Aug. 21, by C. P. Parker, Dir. of Pub. Wks., for the construction of sewers in La Croix, Gertrude, Abel and Thornton St.

Alliance, Ohio—Bids will be received about Sept. 10 by the city for the construction of a sewage-disposal plant. The estimated cost is $40,000. W. P. Barnum is Mayor.

Cincinnati, Ohio—Bids were received July 27 by the Director of Public Service for the construction of sewers in (a) Pogue Ave., (b) Seegar and Waverly Ave., from: Runck Bros., (a) $5701; M. J. McCarthy, (a) $6035; Evan Evans, (a) $6260, (b) informal; John Ruebel, (a) $6731; Wagner & Boehning, (a) $7637, (b) $1744; Welling & Franz, (b) $1614; Cavanaugh & Connelly, (b) $1842. Noted Aug. 22.

Cincinnati, Ohio—Bids will be received until noon, Aug. 26, by Philip Fosdick, Dir. of Pub. Ser., for the construction of sewers in Knorr Ave. and Pinckney St. and right-of-way.

✚**Cincinnati, Ohio**—The contract for the construction of sewers in South Court St. has been awarded to THOMAS P. STRACK, at $5623.

Findlay, Ohio—The City Council will construct 10- and 12-in. sewers in various streets. The estimated cost is $8174.

✚**Hamilton, Ohio**—Contracts for sewer construction have been awarded by the Board of Control to CHARLES F. SMITH CO., Dayton, at $21,389, for constructing sanitary sewers in District No. 1 and to JOHN L. WALKER CO., Hamilton, at $22,507, for constructing sanitary sewers in District No. 2.

Mansfield, Ohio—At a recent election the citizens voted to issue $100,000 in bonds, the proceeds of which will be used for the construction of a sewage-disposal plant. Noted May 6.

Toledo, Ohio—Bids will be received until 10 a.m., Aug. 31, by Charles J. Sanzenbacher, Clk. of the Bd. of Lucas County Comrs., for the sale of $20,000 in bonds. The proceeds will be used for the construction of local Sanitary Sewer No. 20 in Lucas County.

Youngstown, Ohio—Bids will be received until noon, Aug. 23, by the Director of Public Service for the construction of sewers in Halvin, Poplar and Hamburg St. H. C. Fox is City Clk.

Lafayette, Ind.—(Official)—Bids will not be received this year for the construction of storm and sanitary sewers. H. B. Overesch, Jr., is City Engr. Noted Aug. 5.

Logansport, Ind.—Plans are being prepared by the City Engineer for the construction of sewers in the eastern section of the city. The estimated cost is $350,000.

Muncie, Ind.—Plans are being prepared by B. F. Deardorff, City Engr., for the construction of a sewer system in the Congerville and Industry Sections. The estimated cost is $50,000.

✚**Fenton, Mich.**—The contract for the construction of a sanitary sewer system has been awarded to WHALEY & EDWARDS, Milan, at $19,368.

Grand Rapids, Mich.—The city has been granted an extension of time, by the Supreme Court, until Jan. 3, 1916, in which to stop the pollution of the Grand River by constructing a sewage-disposal plant. Hoad & Decker is Engr. Noted July 15.

Chicago, Ill.—Bids will be received until 11 a.m., Aug. 20, by the Board of Public Works for the construction of sewers in various streets.

✚**Galesburg, Ill.**—The contract for the construction of sewers in North West and various other streets has been awarded to D. E. KEELER CO., Davenport, at $25,225.

Salem, Ill.—Plans are being prepared by the Caldwell Engineering Co., Jacksonville, for the construction of a sewer system. The estimated cost is $50,000.

Kenosha, Wis.—The City Council contemplates the construction of sewers estimated to cost $100,000.

✚**Racine, Wis.**—The contract for the construction of the Augusta St. sewer has been awarded to E. R. HARDING, at $5800.

Racine, Wis.—Bids will be received until 10 a.m., Aug. 21, by the Board of Public Works for the construction of sewers in Munroe, Washington, Wright and Lathrop Ave.

✚**Waukesha, Wis.**—The contract for the construction of sewers in Delafield, Prospect, Bidwell, Ellis and Farewell St. has been awarded to FRANK CAYLL, at $0.96 per lin. ft.

Clinton, Iowa—Bids will be received until 8 p.m., Sept. 1, by the city for the construction of 8-, 24-, 30- and 54-in. sewers in various streets.

Clinton, Iowa—(Official)—Bids will be received until Sept. 14 by the city for the construction of sewers in the Fourth Ward. J. G. Thorne is City Engr. Noted Aug. 12.

✚**Fairfield, Iowa**—(Official)—The contract for the construction of sanitary sewers has been awarded to the ADAMS-MARTIN CONSTRUCTION CO., Centerville, at $15,605. Noted July 29.

✚**Hampton, Iowa**—The contract for the construction of approximately 38 miles of tile sewers has been awarded to the PLYMOUTH CLAY PRODUCTS CO., Ft. Dodge, at $165,000.

✚**McGregor, Iowa**—The contract for the construction of approximately 6350 ft. of 6- and 12-in. vitrified pipe sewers has been awarded to the MOORE-SIEG CONSTRUCTION CO., Waterloo, at $4341.

✚**Mason City, Iowa**—The contract for the construction of ateral sewers has been awarded to the A. L. WILLSON CO.

Primghar, Iowa—Bids will be received about Sept. 6 by the city for the construction of a sewer system. Bruce, Standevan & Boynton, 430 Bee Bldg., Omaha, Neb., is Engr. Noted July 22.

✚**Spencer, Iowa**—(Official)—The contract for the construction of approximately 6000 ft. of 8-, 10- and 12-in. sewers has been awarded to P. N. KRUSE, Spencer, at $4500. Other bidders were: M. A. Camery, Harlan; Dearborn Construction Co., Waterloo; A. L. Chesley, Minneapolis, Minn.; W. C. Fraser, St. Paul, Minn.; Anderson & Empir, Marshalltown. Noted Aug. 5.

✚**Webster City, Iowa**—A. J. Petersen, Audr. of Hamilton County, has awarded the contract for tile to the NATIONAL SEWER PIPE CO., Webster City, at $6576, and for the construction of Nail Drain No. 173 to L. E. NELSON, Ft. Dodge, at 10,228.

✚**Duluth, Minn.**—The City Council has awarded the contract for the construction of sewers in 37th St. to the PASTORET CONSTRUCTION CO., at $18,124.

✚**St. Paul, Minn.**—(Official)—The contract for the construction of storm and sanitary sewers in various streets to be included in part of the Snelling-Como sewer system has been awarded to THORNTON BROS., at $263,000. Noted erroneously in the issue of Aug. 5 as having been awarded to Thomson Bros.

Crofton, Neb.—(Official)—Bids will be received until 2 p.m., Sept. 3, by Joseph P. Kuehn, Village Clk., for the construction of a sewer system and septic tanks. J. D. C. Smith, Hartigan, is Engr. Noted Aug. 5.

Kearney, Neb.—The city contemplates the reconstruction and extension of the sewer system.

✚**Omaha, Neb.**—The contract for the construction of a storm sewer from 45th and Jones St. to Saddle Creek has been awarded to E. T. DONAHUE, at $4461.

✚**Mitchell, S. D.**—(Official)—The contract for the construction of sewers in various streets has been awarded to R. J. BURNHAM, Mitchell. Noted July 22.

✚**Watertown, S. D.**—The contract for c.-i. pipe and special castings for the sewage pumping station and 4850 ft. of c.-i. outlet of Class A pipe has been awarded to the AMERICAN CAST IRON PIPE CO., Birmingham, Ala., at $7875. Noted July 29.

Fargo, N. D.—Bids will be received until 10 a.m., Aug. 25, y A. R. Watkins, City Audr., for the construction of lateral ewers in 12th St. and in Sewer District No. 1.

Plattsburg, Mo.—Plans are being prepared by E. B. Murray, Consult. Engr., 920 Walnut St., Kansas City, for the construction of a sewer system and sewage-disposal works. The estimated cost is $21,000.

Heber Springs, Ark.—An election will soon be held to vote on the question of issuing $25,000 in bonds. The proceeds will be used for the construction of a sewer system. Noted Aug. 12.

Walnut Ridge, Ark.—It is reported that plans are being prepared for the construction of a sewer system. The estimated cost is $20,000. W. E. Lane is interested. Noted May 27.

Beeville, Tex.—Bonds for $15,000 have been sold, the proceeds of which will be used for the extending of the sewer system. Noted Aug. 5.

✚**Bartlesville, Okla.**—The contract for the construction of vitrified tile sewers has been awarded to W. F. POWELL, Chelsea, at $30,170.

✚**Steamboat Springs, Colo.**—(Official)—The contract for the construction of a sanitary sewer system has been awarded to CONRAD WALKER, North Platte, Neb., at $59,129. Noted Aug. 5.

Dexter, N. M.—The city contemplates the construction of a sewer system.

✚**Richfield, Utah**—(Official)—The contract for the construction of sewers has been awarded to BROWN & KLEINSCHMIDT, Salt Lake City. The estimated cost is $25,000. Noted Aug. 5.

✚**Salt Lake City, Utah**—(Official)—The contract for the construction of the main trunk sewer has been awarded to GIBBONS BROS. and REED & ROCHE, Salt Lake City, at $296,509. Other bids were: Thomas J. Shea, $364,300; P. J. Moran, Inc., $340,543; Earl C. Ulen, $338,790; James Kennedy, $335,535; Parrott Bros., $323,148. Noted July 22.

Elko, Nev.—At a recent election the citizens voted to issue $40,000 in bonds, the proceeds of which will be used for the construction of a sewer system. Noted June 17.

Seattle, Wash.—The Board of Public Works has approved plans for the construction of sewers in North and West 48th and North and West 50th St. The estimated cost is $12,000 and $53,000, respectively. L. B. Youngs is Chn., Bd. Pub. Wks.

Forest Grove, Ore.—(Official)—Plans have been prepared by R. E. Koon, Consult. Engr., Portland, and A. A. Kirkwood, City Engr., and approved by the City Council and State Board of Health for the construction of sewers and a sewage-disposal plant. Binds will be received early in September. The estimated cost is $90,500.

Portland, Ore.—The Council contemplates the construction of sewers in East 28th St. from Tillamook to Knott St. The estimated cost is $12,000.

Los Angeles, Calif.—Adam Dalmation, at $10,975, submitted the lowest bid for the construction of sewers in Fountain Ave. from Western Ave. to Hobart Blvd. and in various other streets.

Dartmouth, N. S.—The town Council will construct sewers and water mains in Eskine St. A. Elliott is Clk.

Ottawa, Ont.—The city will construct sewers in Carruthers and other streets by day labor. The estimated cost is $9769.

Preston, Ont.—The Town Council contemplates the construction of sewers estimated to cost $8200. C. S. McKenzie is Engr.

Simcoe, Ont.—Plans have been prepared for the construction of sewage-disposal beds. W. C. McCall is Town Clk.

Sudbury, Ont.—The Council contemplates extending the sewer system. W. J. Ross is Town Clk.

Thorold, Ont.—Bids will be received until Aug. 25 by D. J. C. Munro, Town Clk., for the construction of a sanitary sewer system and a sewage-pumping station in St. Andrews Ward. Chipman & Powers, Mail Bldg., Toronto, is Engr.

GARBAGE

✚**Union, N. J.**—(Weehawken post office)—The contract has been awarded to JOHN MULLER, North Bergen, at $25,000 for removing garbage and ashes for a five-year period. Noted July 1 and July 22.

Decatur, Ill.—(Official)—Bids will be received soon by the Alfs Garbage Co. for the construction of an incinerator.

Victoria, Tex.—A garbage incinerator, estimated to cost $7000, will be constructed in Victoria. J. H. Fleming is Mayor. Noted June 17.

STREETS AND ROADS

..oston, Mass.—(Official)—Bids will be received until noon, Aug. 24, by the State Highway Commission for constructing 6900 lin.ft. of road in Marlborough, 5900 lin.ft. of road in Lincoln Township and 11,400 lin.ft. of road in Weymouth Township.

Boston, Mass.—(Official)—Bids will be received until noon, Aug. 24, by the State Highway Commission for constructing 19,000 lin.ft. of state highway in Shrewsbury and Northboro Townships.

✚**Boston, Mass.**—The contract for constructing 10,900 lin.ft. of road in Northampton has been awarded to the PHILPOTT CONSTRUCTION CO., Melrose, at $18,572. Other bids were: R. F. Hudson, Melrose, $20,017; J. C. McCormick, East Providence, $22,224; A. Williams, Boston, $22,443; Columbia Construction Co., $25,580; D. O'Connell's Sons, Holyoke, $26,393; Lane Contracting Co., Meriden, Conn., $26,963. Noted Aug. 5.

Boston, Mass.—Press reports state that the Board of Public Works has authorized the widening of Armory St., at an estimated cost of $40,000.

Boston, Mass.—Bids will be received until Aug. 23 by the Board of Public Works for paving Prince and Aspen St. and Blue Hill Ave. with asphalt on bitulithic pavement.

✚★**Albany, N. Y.**—(Official)—Contracts have been awarded for repaving roads in varous counties as follows:

Repair Contract No. 825, Broome County, 1.76 miles: CHARLES E. HANEY, Camillus, $12,690. Repair Contract No. 820, Chemung County, 2.33 miles: FRANK K. LIBERATORE, Elmira, $12,198. Repair Contract No. 830, Chenango County, 3.55 miles: PADDLEFORD & KING, Sherburne, $14,441. Repair Contract No. 822, Clinton County, 1.99 miles: JAMES CONWAY, Plattsburg, $7806. Repair Contract No. 816, Columbia County, 9.26 miles: OLIN T. BENEDICT, Pittsfield, $15,426. Repair Contract No. 834, Dutchess County, 4.12 miles: HENRY CLINTON, Poughkeepsie, $12,950. Repair Contract No. 827, Putnam and Dutchess Counties, 13.47 miles:

THOMAS H. KARR, Troy, $9939. Repair Contract No. 828, Erie County, 0.87 mile: UNION PAVING CO., Schenectady, $13,502. Repair Contract No. 819, Herkimer County, 5.46 miles: R. D. COOPER, Little Falls, $6715. Repair Contract No. 827, Monroe County, 0.56 mile: CROUCH BROS., Rochester, $12,377. Repair Contract No. 817, Montgomery County, 10.91 miles: NASH & GRIFFIN, Norwich, $4248. Repair Contract No. 823, Otsego County, 1.88 miles: NEWPORT CONSTRUCTION CO., Herkimer, $19,192.73. Repair Contract No. 818, St. Lawrence County, 5.50 miles: ORLANDO BEEDE, Keene Valley, $26,145. Repair Contract No. 815, St. Lawrence County, 19.32 miles: CLARENCE E. WALKER, Troy, $3344. Repair Contract No. 814, St. Lawrence County, 15.88 miles: CLARENCE E. WALKER, Troy, $2662. Repair Contract No. 824, Schoharie County, 0.104 miles: J. J. MALLOY, Schenectady, $2149. Repair Contract No. 832, Steuben County, 1.14 miles: CHARLES E. HANEY, Camillus, $6314. Repair Contract No. 831, Sullivan County, 2 miles: ARMSTRONG & TROWBRIDGE, Roscoe, $12,984. Repair Contract No. 833, Tompkins County, 17.10 miles: RICHARD HOPKINS, Troy, $7637. Repair Contract No. 835, Warren County, 14.37 miles: DEFIANCE CORPORATION, Ticonderoga, $5046. Repair Contract No. 821, Westchester County, 2.22 miles: TRI-COUNTY CONSTRUCTION CORPORATION, Mt. Vernon, $3980. Repair Contract No. 826, Westchester County, 0.54 miles: TRI-COUNTY CONSTRUCTION CORPORATION, Mt. Vernon, $3454. Noted July 15 and Aug. 12.

Buffalo, N. Y.—The City Council has voted to pave a number of streets.

✚New York, N. Y.—(Borough of Bronx)—(Official)—The contract for improving Victor St. from Van Nest to Rhinelander Ave. has been awarded to THOMAS TENORE, at $7740. Noted July 29 and Aug. 12.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received Aug. 11 by L. H. Pounds, Borough Pres., for regulating and repaving with permanent grade No. 1 granite pavement on a 6-in. concrete foundation the roadway of Jamaica Ave. from Broadway to the borough line as follows: W. J. Scanlon Co., $115,151; J. J. B. LaMarsh, $106,469; M. T. Mark, $110,161; Empire Construction Co., $108,930; Rosenthal Engineering Co., $109,034; H. J. Mullen Contracting Co., Fulton St., Jamaica, $105,297; Lawrehoe Contracting Co., $122,164; T. J. Gallagher $120,590; Robertson Construction Co., $114,973. Noted Aug. 5.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until noon, Aug. 24, by Calvin D. Van Name, Borough Pres., for regulating, grading, curbing and laying sidewalks on various streets.

Jersey City, N. J.—Bids will be received by the City Commissioners until 11 a.m., Aug. 26, for repaving a portion of Storms Ave. and Concord St. with Belgian block. M. I. Fagen is City Clk.

Jersey City, N. J.—The Board of Commissioners plans to improve Grove St., with granite block paving laid in concrete. Henry Byrne is Comr.-in-Charge of street improvements.

Newark, N. J.—The Board of Public Works has voted to improve Sussex Ave., by paving with asphalt.

Newark, N. J.—Bids were received Aug. 5 by the Board of Public Works for paving (a) Linsdale Pl. from Washington to Chester Ave., (b) Tyler St. from Chestnut to Malvern St., (c) Oxford St. from Fleming to Passaic Ave., (d) Vesey St. from Pacific to McWhorter St., (e) Yates Ave. from Osborne Terrace 346 lin.ft. easterly, (f) Read St. from Market St. to Passaic Ave., as follows: Northern Construction Co., (a) $6974, (b) $2271, (c) $7107, (d) $6261, (e) $3559, (f) $6499; Continental Public Works Co., (a) $7239; Glenfield Construction Co., (a) $7371, (b) $2276, (c) $7103, (d) $6150, (e) $3845, (f) $6529; Uvalde Asphalt Co., (a) $8665; Jackson Contracting Co., (b) $2289, (c) $7369, (d) $6252; Newark Paving Co., (b) $2329, (c) $7141, (d) $6141, (e) $3525, (f) $6546; Standard Bitulithic Co., (b) $2346, (c) $7233, (d) $6299, (e) $3615, (f) $6631; Ralph Sangiovanni, (c) $6153, (d) $3331; McMahon Construction Co., (f) $6539. Noted July 29

Newark, N. J.—Bids will be received until 11 a.m., Aug. 20, by the Board of Contract and Supply for improving a portion of Excelsior Ave.

New Brunswick, N. J.—Bids will be received until 2:30 p.m., Aug. 30, by the Board of Chosen Freeholders of Middlesex County for improving the New Brunswick-Old Bridge Turnpike from the New Brunswick City line to Commercial Ave. with bituminous concrete on present macadam base. Alvin B. Fox, Perth Amboy, is County Engr.

New Brunswick, N. J.—Bids will be received until 2:30 p.m., Aug. 30, by the Board of Chosen Freeholders of Middlesex County for improving Rahway Ave. from the Roosevelt Woodbridge Rd. to the Blazing Star Rd. with bituminous concrete pavement on a concrete base. Alvin B. Fox, Perth Amboy, is County Engr.

✚Summit, N. J.—The contract for paving Ridgewood Ave. has been awarded to the GARAFANO CONSTRUCTION CO., at $16,000.

West New York, N. J.—The Town Council is considering paving 18th and 21st St. with some type of noiseless pavement.

✚West New York, N. J.—The Town Council has awarded contracts for improving 11th St. to R. T. EMMERSON and Seventh St. to HORNUNG & BLAIR.

✚Allentown, Penn.—The contract for paving Hanover Ave. has been awarded to the BARBER ASPHALT CO.

✚Fullerton, Penn.—The contract for paving Third St. has been awarded to FRANK McINERNEY, Easton.

Greensburg, Penn.—(Official)—Bids will be received until noon, Aug. 30, by the County Controller for constructing and improving sections of the highway in Mt. Pleasant Township. Noted July 22 and Aug. 5.

✚Harrisburg, Penn.—Contracts have been awarded for constructing roads as follows: Stroudsburg Rd. to the FRANKLIN CONSTRUCTION CO., 52 Vanderbilt Ave., New York, $45,624; Muncy Rd. to DWYER & CO., Philadelphia, Penn., $41,877; Milton Rd. to FOGEL & CO., Hollidaysburg, $28,144. Noted July 29.

Philadelphia, Penn.—Bids will be received until noon, Aug. 23, by M. L. Cook, Dir. Pub. Ser., for repairing asphalt pavements.

Scranton, Penn.—The City Council plans to pave Wyoming and Monsey Ave. and to construct sidewalks on Brook St., at an estimated cost of $22,000.

Wilkinsburg, Penn.—(Official)—Bids will be received until 2 p.m., Aug. 21, by Frease & Sperling, Borough Engr., for regrading, recurbing and repaving a number of streets.

Baltimore, Md.—The city plans to repave Hamilton Ave. from Harford Rd. to Franklin Ave.

✚Lake Montibello, Md.—(Baltimore post office)—A contract for paving a number of streets has been awarded to the CONSOLIDATED ENGINEERING CO., Baltimore, at $14,280.

Lovington, Va.—(Official)—Bids will be received until noon, Sept. 1, by the Commissioners of Nelson County for the sale of $35,000 in bonds, the proceeds of which will be used for constructing and improving roads.

Janelew, W. Va.—An election will be held Aug. 23, to vote on the question of issuing $15,000 in bonds, the proceeds of which will be used for improving a number of streets.

Philippi, W. Va.—At a recent election the citizens voted in favor of issuing $20,000, part of the proceeds to be used for street paving. Noted July 29.

✚Bakersville, N. C.—The contract for constructing 8½ miles of road in Grassy Creek Township has been awarded to C. B. GEER & CO.

Gastonia, N. C.—At a recent election the citizens voted in favor of issuing $150,000 in bonds, the proceeds of which will be used for constructing roads in Gaston County. Noted June 24.

Newbern, N. C.—Press reports state that the Commissioners of Craven County will improve the Central Highway from Ft. Barnwell to Newbern, about 22 miles.

Greenwood, S. C.—At a recent election the citizens voted in favor of issuing $100,000 in bonds, the proceeds of which will be used for permanent street paving. Noted June 10.

Palatka, Fla.—An election will be held Sept. 14 to vote on the question of issuing $208,000 in bonds, the proceeds of which will be used for constructing brick roads.

Tallahassee, Fla.—Bids will be received until 4 p.m., Sept. 9, by A. H. Williams, City Clk., for improving various streets. Isham Randolph & Co., Heard Bldg., Jacksonvile, is Engr.

Geneva, Ala.—Bids will be received until Aug. 27 by the Commissioners of Geneva County for sand-claying roads, at an estimated cost of $4616.

Grove Hill, Ala.—Bids will be received until Aug. 31 by the Commissioners of Clarke County for constructing sand-clay roads, at an estimated cost of $15,600.

New Orleans, La.—(Official)—Bids will be received until noon, Sept. 7, by the Board of State Engineers, New Orleans Court Bldg., for surfacing about five miles of improved earth highways in Caldwell Parish.

New Orleans, La.—(Official)—Bids will be received until noon, Sept. 8, by the Highway Department of the Board of State Engineers, New Orleans Court Bldg., for constructing 8.1 miles of improved earth highway in Red River Parish.

Livingston, Tenn.—At a recent election, the question of issuing $160,000 in bonds, the proceeds of which was to have been used for road construction was defeated.

Hopkinsville, Ky.—The City Council contemplates paving West Seventh St. with tarvia.

Louisville, Ky.—Bids will be received until Aug. 26 by the Board of Public Works for paving a number of streets.

✚Winchester, Ky.—The contract for improving Lexington Ave. has been awarded to the BICKEL ASPHALT PAVING CO., Louisville, at $32,201. Noted July 29.

✚Antwerp, Ohio—A contract for constructing 20,000 sq.yd. of pavement has been awarded to the MOLLERING CONSTRUCTION CO., Ft. Wayne, Ind., at $38,000.

✚Ashtabula, Ohio—Contracts have been awarded for paving Booth, East, Spencer and Todd St., Starkweather and Grove Ave. to THOMAS P. FITZGERALD.

Bexley, Ohio—Bids will be received until Sept. 4 by Chester A. Miller, Village Clk., for the sale of $63,000 in bonds, the proceeds of which will be used for improving College and Drexel Ave.

✚Cincinnati, Ohio—The contract for paving Morgan St. from Dover St. to Reading Rd., with brick has been awarded to HENKEL & SULLIVAN, at $9378.

Cleveland, Ohio—Bids will be received until noon, Aug. 25, by the Commissioner of Purchases and Supplies for improving and repaving Lorain Ave. from West 73rd to West 98th St. Robert Hoffman is City Engr.

Columbus, Ohio—(Official)—Bids will be received until 2 p.m., Aug. 20, by Clinton Cowen, State Highway Comr., for improving roads in various counties.

East View, Ohio—(Warrensville post office)—Bids will be received until noon, Aug. 30, by Charles E. Burger, City Clk., for improving and constructing sidewalks on Helen St. from Kinsman Rd. to the village limits. Noted July 29.

✚Findlay, Ohio—The contract for paving East Hardin St has been awarded to C. B. HALL & SON, at $6046.

Gates Mills, Ohio—Bids will be received until noon, Sept. 11, by F. J. Wilson, Clk. of Mayfield Township, for the sale of $22,000 in bonds, the proceeds of which will be used for improving Mayfield and Som Center Roads in Mayfield Township.

✚Mt. Gilead, Ohio—(Official)—The contract for improving and macadamizing the Sexon-Thatcher Rd. in Gilead and Canaan Township Rd. has been awarded to the FOREST CONSTRUCTION CO., Ada., at $14,544. Noted July 15.

New Hampshire, Ohio—An election will be held Aug. 23 to vote on the question of issuing $11,000 in bonds, the proceeds of which will be used for paving portions of various streets.

Niles, Ohio—(Official)—Bids will be received until 1 p.m., Aug. 18, by the Commissioners of Road District No. 2 for improving Watson Rd.

Port Clinton, Ohio—Bids will be received until noon, Aug. 30, by W. H. Williamsen, Village Clk., for improving Depot St.

Silverton, Ohio—Bids will be received until noon, Aug. 28, by A. A. Sprague, Village Clk., for constructing concrete sidewalks on various streets.

Toledo, Ohio—Bids will be received until 10 a.m., Aug. 23, by the Commissioners of Lucas County, for improving Lake St. in Washington Township.

Woodsfield, Ohio—(Official)—Bids will be received until noon, Aug. 28, by the Village Council for paving South Main St. with hard burned vitrified brick. George P. Dorr is Clk. of the Council.

Xenia, Ohio—(Official)—Bids will be received until noon, Aug. 31, by C. W. Whitmer, Dir. Pub. Ser., for paving a portion of Third St.

Youngstown, Ohio—Bids will be received until noon, Aug. 23, by the Director of Public Service for grading Hylda St. from Hillman St. to the Youngstown & Southern Ry. H. C. Fox is City Clk.

Columbus, Ind.—(Official)—Bids will be received until 2 p.m., Sept. 14, by the Commissioners of Bartholomew and Shelby Counties for constructing a road on the county line.

Indianapolis, Ind.—(Official)—Bids will be received until 10 a.m., Sept. 3, by the Board of Public Works for improving a number of streets.

Mt. Clemens, Mich.—All bids received July 19 for paving Grand Ave. from Washington to Elredge St. were rejected. Noted July 15.

Carlinville, Ill.—Press reports state that the Board of Local Improvements has voted to pave First North St., at an estimated cost of $20,591.

Elgin, Ill.—Bids will be received until Aug. 26 by the Board of Local Improvements for constructing 18,763 lin.ft. of concrete combined curb and gutter. M. H. Brightman is Secy. of the Bd.

St. Charles, Ill.—(Official)—Bids will be received until Sept. 1, for improving various streets. John W. Wilson, Haine Blk., St. Charles, is Engr.

Springfield, Ill.—(Official)—Bids will be received until 11 a.m., Aug. 18, by the State Highway Commission for constructing a brick road near Dwight in Livingston County. The estimated cost of construction is $17,974.

Grand Rapids, Wis.—Bids will be received until 2 p.m., Aug. 27, by the Board of Public Works for paving Grand Ave. E. L. Brown is City Clk.

✚Janesville, Wis.—(Official)—The contract for paving Wisconsin, South Bluff St. and Milton Ave. has been awarded to GUND GRAHAM CO., Freeport, Ill. Noted July 15.

✚Racine, Wis.—(Official)—The contract for paving West Blvd. from Washington to Kinzie Ave. has been awarded to the WESTERN IMPROVEMENT CO., Racine, Wis., at $13,657. Noted July 22.

Creston, Iowa—(Official)—Bids will be received until 8 p.m., Aug. 23, by Carl Davenport, City Clk., for improving a number of streets. Theodore S. Delay is City Engr.

✚Mt. Gregor, Iowa—The contract for paving Main St. from Front to Center St. has been awarded to JAMES F. LEI, Dubuque.

✚Duluth, Minn.—The contract for paving Colorado St. has been awarded to J. JOHNSON, at $9750.

Ellsworth, Kan.—See item under "Bridges."

Herington, Kan.—According to press reports, bids will soon be received for laying 6000 sq.yd. of brick and asphaltic concrete pavement. C. N. Hull is City Clk.

Mulberry, Kan.—Bids will soon be received by J. Pedroja, City Clk., for paving Military St.

✚College View, Neb.—The contract for paving in Districts Nos. 1 and 2 has been awarded to ABEL & ROBERTS, First National Bank Bldg., Lincoln, at $90,000.

Missoula, Mont.—(Official)—Bids will be received until 10 a.m., Aug. 25, by L. E. Harris, City Clk., for improving Pine St. E. S. Hathaway is City Engr.

✚Fornfelt, Mo.—A contract for laying 28,000 sq.yd. of pavement has been awarded to the CENTURY CONSTRUCTION CO., Chicago, Ill., at $33,400.

✚Kansas City, Mo.—The contract for paving Brush Creek Blvd. from Main to Oak St. has been awarded to J. C. LYLE, 609 Grand Ave., at $10,234.

✚Kansas City, Mo.—The contract for improving Benton Blvd. from 45th St. to Brush Creek Blvd. has been awarded to J. O. WEST.

Kansas City, Mo.—The Park Board plans to improve the Swope Park Blvd. from 49th to 63rd St.

Rockport, Mo.—Press reports state that the citizens contemplate holding a special election for the purpose of voting on the question of issuing $250,000 in bonds, the proceeds of which will be used for constructing rock roads.

St. Louis, Mo.—(Official)—Bids will be received until noon, Aug. 27, by the city for improving a number of streets.

Sedalia, Mo.—Bids will be received until Aug. 24 for resurfacing approximately 2½ miles of rock road in Sedalia Special Road District. W. H. Powell is Secy.

✚Springfield, Mo.—A contract for resurfacing two miles on the South Campbell St. road with asphaltic macadam has been awarded to the PLUMMER-ADAMS CONSTRUCTION CO., at approximately $15,000.

✚McKinney, Tex.—A contract for street paving has been awarded to LEVY & LEVY, Dallas, Tex., at $58,605.

✚Seguin, Tex.—The contract for constructing seven miles of the Zorn-Redweed Rd. has been awarded to W. K. DAVIS, San Antonio, at $15,000.

Weatherford, Tex.—At a recent election the question of issuing $60,000 in bonds, part of the proceeds of which was to have been used for constructing roads was defeated. Noted July 1.

Colbert, Okla.—Press reports state that a special election will be held for the purpose of voting on the question of issuing bonds, the proceeds of which will be used for constructing roads.

✚Silver City, N. M.—Press reports state that a contract for constructing concrete pavements has been awarded to LEYDEN ORTSEIFEN, Chicago, Ill., at $22,408. Other bids were: Jennings & Wood, El Paso, $22,740; V. E. Wave, El Paso, $23,344.

Salt Lake City, Utah—(Official)—Bids will be received until 10 a.m., Aug. 24, by the Board of Commissioners for paving Ninth South St. from 13th East St. to Fairview Ave., 15th East St. from Ninth South St. to Yale Ave., Fairview Ave. from Ninth South St. to Michigan Ave. and Michigan Ave. from 15th East St. to Fairview Ave.

Wendover, Utah—Bids will be received until Aug. 22 by the State Road Commission for constructing about 22 miles of highway from Wendover to Knolls.

Kingman, Ariz.—At a recent election the citizens of Mohave County voted in favor of issuing $100,000 in bonds, the proceeds of which will be used for constructing and improving roads. Noted July 8.

Everett, Wash.—Bids will be received until 2 p.m., Aug. 22, by M. Weatherbee, Audr. of Snohomish County, for constructing Permanent Highways No. 19 and 20. Noted July 29.

La Conner, Wash.—Bids will be received until Sept. 1 by the Town Council for constructing concrete pavement on First St. from Commercial to Morris St.

Olympia, Wash.—Bids will be received until Aug. 30, by William R. Roy, State Highway Comr., for improving the Inland Empire Highway from Union Flat Creek south in Whitman County.

✚Seattle, Wash.—(Official)—The contract for paving Permanent Highway No. 5A has been awarded to the WASHINGTON PAVING CO., Tacoma, at $76,549.

Seattle, Wash.—The City Council has decided to postpone the improvement of Railroad Ave. until early next year.

Walla Walla, Wash.—H. L. Wilson & Co., Walla Walla, at $11,566 was the lowest bidder for paving First Ave.

✚McMinnville, Ore.—The contract for improving 5½ miles of the Sourgrass Cut-Off Rd. has been awarded to the TILLAMOOK BAY CONSTRUCTION CO., Bay City, at $18,863.

Martinez, Calif.—The Board of Supervisors of Contra Costa County will soon receive bids for the construction of 3 miles of highway out of Martinez, at an estimated cost of $38,665. E. E. Arnold is County Surv.

✚Oroville, Calif.—The City Trustees have awarded a contract for street work to the CLARK-HENERY CO., Sacramento, at $15,700.

✚Pescadero, Calif.—The contract for constructing a highway from Pescadero to the Santa Cruz County line has been awarded to L. G. HARE, at $29,234.

✚San Jose, Calif.—The Board of Supervisors of Santa Clara County has awarded contracts for improving White, Tully and San Felipe Roads to the RANSOME CRUMMEY CO., Oakland, at $31,854; Ford Rd., Phelan and Fontasso Ave. to J. W. McDONALD, Jr., San Jose, at $14,887.

Santa Cruz, Calif.—The City Trustees will soon receive bids for paving Bay St., from Continental to King St., at an estimated cost of $20,000.

Belleville, Ont.—The City Council plans to pave various streets with granolithic. J. W. Evans is City Engr.

✚Niagara Falls, Ont.—The contract for paving Queen St. with vitrified brick has been awarded to C. H. KUNMEYER, Niagara Falls, at $9244. Noted June 10.

✚Niagara Falls, Ont.—The contract for paving Robert St. with reinforced concrete has been awarded to P. A. LORENZO at $4215.

INDUSTRIAL WORKS

Lawrence, Mass.—The Lenox Motor Car Co., 18 Columbus Ave., Boston, Mass., will build a reinforced-concrete factory to cost $100,000. Gilman & Ames, 8 Congress St., Boston, Mass., is Arch.

Somerville, Mass.—The American Tube Co. will build a one-story, 178x248-ft., brick addition to its plant at 140 Somerville St., to cost $58,000.

Springfield, Mass.—The Dickinson Realty Trust, 131-137 Main St., will build a brick garage to cost $25,000.

Springfield, Mass.—The Bausch Machine Tool Co. will build a 41x50-ft. addition to its plant to cost about $44,000.

Winthrop, Mass.—The contract will soon be awarded by C. A. & F. N. Russell, Arch., 50½ Warren St., Boston, Mass., for the construction of a one-story, 72x132-ft. garage for J. W. Silver, 18 Tremont St., Boston, Mass. The estimated cost is $25,000.

Pawtucket, R. I.—Bids are being received for the construction of a three-story, 70x100-ft. brick mill for the Philips Insulated Wire Co., Central Ave. Jenks & Ballou, Grosvenor Bldg., Providence, R. I., is Arch.

✚Pawtucket, R. I.—The BENJAMIN F. SMITH CONSTRUCTION CO. has been awarded the contract for the construction of a four-story, 27x160-ft. factory with a one-story, 60x67-ft. extension for the Acme Finishing Co. The estimated cost is $18,000.

✚Providence, R. I.—The Metal Products Corp., Thurbur Ave., has awarded the contract for the construction of a one-story, 60x212-ft. and a two-story, 45x60-ft. addition to WILLIAM H. HAMLYN & SON, 78 Mawny St.

Providence, R. I.—The Terminal Warehouse Co. will build a five-story, 100x250-ft. warehouse by day labor. The estimated cost is $100,000. William M. Harris, 546 Atwells Ave., is Pres. Warren & Gerrish, 53 State St., Boston, Mass., is Arch. Noted June 10.

✚Hartford, Conn.—The Hartford Rubber Works, Park St., has awarded the contract for the construction of a two-story, 75x140-ft. warehouse to the J. H. CROZIER CO., 721 Main St. Lockwood, Green & Co., 60 Federal St., Boston, Mass., is Engr.

✚Hartford, Conn.—THOMAS MALCOMBE, 118 Asylum St., has been awarded the contract for the construction of a

three-story, 42x110-ft. factory for the Jacobs Mfg. Co. Greenwood & Noer, 847 Main St., is Engr. Noted June 3 and 10.

Hartford, Conn.—William Beck, 107 Albany Ave., will build a two-story, 62x88-ft. garage to cost about $20,000. Fred C. Walz, 118 Asylum St., is Arch.

Hartford, Conn.—Bids are being received by Charles Harris, 1626 Main St., for the construction of a two-story, 58x90-ft. garage to cost $20,000. Burton A. Sellew, 756 Main St., is Arch.

✚Torrington, Conn.—The Turner & Seymour Co. has awarded the contract for the construction of a 30x170-ft. brick and concrete addition to its plant to the TORRINGTON BUILDING CO.

✚Albany, N. Y.—Fuller & Robinson, Arch., 95 State St., has awarded the contract for the construction of a three-story, 72x75-ft. addition to the garage of the Albany Garage Co., Howard and Lodge St., to the W. S. HAMMILL CO., Carl Bldg., Troy, N. Y. The estimated cost is $60,000. Noted June 24.

✚Buffalo, N. Y.—(Official)—The TURNER CONSTRUCTION CO., Prudential Bldg., has been awarded the contract for the construction of a ten-story, 105x141-ft. reinforced-concrete cold-storage warehouse at Perry and Columbia St. for the Buffalo Cold-Storage Co. D. E. Knowlton is Pres. Noted June 14.

Buffalo, N. Y.—The Buffalo Copper & Brass Rolling Mills has obtained permits for the construction of two one-story additions to its plant at 44 Sayre St., to cost $160,000.

Elmira, N. Y.—Bids will soon be received by Pierce & Bickford, Arch., 118 Lake St., for the construction of a five-story, 53x70-ft., reinforced-concrete warehouse for Barker, Rose & Clinton. A. Clinton, 109 Lake St., is in charge.

Fulton, N. Y.—The Hunter Arms Co. contemplates the construction of two factories to cost about $30,000. Thomas Hunter is in charge.

New York, N. Y.—(Borough of Bronx)—The Coryell Bldg. Co., Inc., 1414 Vyse Ave., will build a one-story, 75x170-ft. brick garage on 176th St., to cost $12,000. Carl Demmerle, 1510 Bryant Ave., is Arch.

New York, N. Y.—(Borough of Brooklyn)—Bids will soon be received by Thode & Harvie, Arch., 406 Ninth St., for the construction of a two-story, 50x164-ft. brick laundry on Prospect Ave. for the Anchor Laundry Co., 361 Seventh Ave. The estimated cost is $60,000. F. L. Roth is Pres.

✚New York, N. Y.—(Borough of Brooklyn)—FRANK M. WALSH, 374 Hamilton Ave., has been awarded the contract for the construction of a two-story, 90x99-ft. garage at 1203-1209 Atlantic Ave., for Charles Cooper, 157 Remsen St. The estimated cost is $19,000. J. Sarsfield Kennedy, 157 Remsen St., is Arch.

✚New York, N. Y.—(Borough of Brooklyn)—McAvoy & Smith, 858 71st St., has awarded the contract for the construction of a one-story, 50x100-ft. garage at Bedford Ave. and Robinson St. to MEYER & SWEENY, 607 Flatbush Ave. Slee & Bryson, 154 Montague St., is Arch. The estimated cost is $10,000.

New York, N. Y.—(Borough of Brooklyn)—William O. Ostheimer, 11th St. and Fifth Ave., will build a three-story, 50x95-ft. brick garage on 11th St., to cost about $15,000. S. L. Behen, 161 Ninth Ave., is Arch.

New York, N. Y.—(Borough of Manhattan)—James J. Riordan, 1 East 14th St., will build a three-story, 93x225-ft. printing building at 438-454 West 18th St. James S. Maher, 431 West 14th St., is Arch.

✚New York, N. Y.—(Borough of Manhattan)—The Monmouth Garage Co., 126 East 54th St., has awarded the contract for the construction of a five-story, 50x100-ft., concrete garage at 226-228 East 54th St. to FRED T. LEY & CO., INC., 52 Vanderbilt Ave. The estimated cost is $100,000. Ballinger & Perrot, 1211 Arch St., Philadelphia, Penn., is Arch.

New York, N. Y.—(Borough of Manhattan)—The contract will soon be awarded by M. W. Del Gaudio, 1910 Webster Ave. (Borough of Bronx), for the construction of a three-story, 50x96-ft. brick factory on 106th St. for Imperato & Camera, 2107 First Ave. The estimated cost is $15,000.

✚New York, N. Y.—(Borough of Manhattan)—William Koenig, 122d St. and St. Nicholas Ave., has awarded the contract for alterations to his garage to JOHN M. MAC ADAM & CO., 29 West 34th St. The estimated cost is $16,000. L. P. Santangela, 2364 Eighth Ave., is Arch.

✚New York, N. Y.—(Borough of Manhattan)—JOHN COLLINS, 418 West 42d St., has been awarded the contract for rebuilding the factory of the Tegetmeler & Riepe Co., 781 First Ave. J. M. Baker, 9 Jackson Ave. (Borough of Queens), is Arch. The estimated cost is $20,000. Noted Apr. 8.

Seneca Falls, N. Y.—Bids will be received about Sept. 1 by Willard Case & Co., 17 Battery Pl., New York, N. Y., for the construction of a $100,000 plant for the Seneca Falls Mfg. Co.

✚Syracuse, N. Y.—The New Process Gear Co., 500 Plum St., has awarded the contract for the construction of a four-story, 55x160-ft. addition to its factory to the R. H. HOWES CONSTRUCTION CO., 105 West 40th St., New York, N. Y. The estimated cost is $50,000. Day & Zimmerman, 611 Chestnut St., Philadelphia, Penn., is Arch.

Utica, N. Y.—The Oneita Knitting Mills will build a $25,000 addition to its plant. N. T. Devereux is Pres.

✚Ampere, N. J.—The contract for the construction of a 60x200-ft. reinforced-concrete factory for the Crocker-Wheeler Co. has been awarded to the AMERICAN CONCRETE STEEL CO., Newark, N. J.

✚Bloomfield, N. J.—The AMERICAN CONCRETE STEEL CO., Newark, N. J., has been awarded the contract for the construction of a 400x500 ft., concrete factory for the International Arms Co. Noted July 22.

✚Butler, N. J.—JOHN PROVOST has been awarded the contract for the construction of a three-story, 47x142-ft. reinforced-concrete addition to the factory of the Pequanoc Rubber Co. The estimated cost is $28,000. M. Howman, 6 Park Ave., Paterson, N. J., is Arch. Noted July 1 and Aug. 5.

Garwood, N. J.—The Powers & Robinson Foundry & Machine Co. plans the construction of a 50x200-ft., reinforced-concrete factory.

Hackensack, N. J.—The American & British Mfg. Co., Bridgeport, Conn., has purchased a 26-acre site and plans the construction of a plant.

✚Harrison, N. Y.—The DAVID HENRY BUILDING CO., 207 Market St., Newark, N. J., has been awarded the contract for the construction of a two-story, 100x100-ft. warehouse for the H. J. Heinz Co., 256 West St., New York, N. Y.

✚Jersey City, N. J.—The contract for the construction of a two-story, 54x234-ft. and a one-story, 60x104-ft. printing plant on Maple Ave. for the Jersey City Printing Co., 37 Montgomery St., has been awarded to the JOHN W. FERGUSON CO., 152 Market St., Paterson, N. J.

✚Kingsland, N. J.—The Canadian Car & Foundry Co., 120 Broadway, New York, N. Y., has awarded the contract for the construction of two storehouses to SHIRE & WOODS, Lyndhurst, N. J.

Newark, N. J.—The Celluloid Co. will build a two-story reinforced-concrete and brick building at 70 Westcott St. Estimated cost, $15,500.

Newark, N. J.—The Butterworth-Judson Co. will build a one-story, 40x300-ft. factory on Ave. R, to cost approximately $15,000.

✚Newark, N. J.—M. Basch, Basch & Greenfield Co., 67 Seventh Ave., has awarded the contract for the construction of a three-story, 43x99-ft. brick factory at 15-17 Stone St. to ANDREW GRANO, 57 New St. The estimated cost is $15,000. Hyman Rosensohn, 800 Broad St., is Arch.

✚Newark, N. J.—THE FACTORY CONSTRUCTION CO., 70 Westcott St., has been awarded the contract for the construction of a two-story, 47x100-ft. factory for the Celluloid Co., 290 Ferry St. The estimated cost is $15,500.

✚New Brunswick, N. J.—The JOHN W. COWPER CO., Fidelity Bldg., Buffalo, N. Y., has been awarded the contract for the construction of a two-story, 70x100-ft. addition to the factory of the Simplex Automobile Co. The estimated cost is $20,000.

Plainfield, N. J.—(Official)—The contract will soon be awarded by John G. Brown, Arch., Witherspoon Bldg., Philadelphia, Penn., for the construction of a two-story, 120x120-ft. brick and concrete addition to the plant of the Sauer Motor Co. The estimated cost is $30,000. Noted May 6 and 20 and Aug. 12.

Union Hill, N. J.—(Weehawken post office)—Bids are being received by Philip H. Dilmer, Arch., 128 Humboldt St., for the construction of a two-story, 53x97-ft. brick dairy on Fulton St. for William Jordan. The estimated cost is $15,000.

Berwick, Penn.—The American Car & Foundry Co. plans the construction of an 80x480-ft., brick addition to its plant to cost $90,000.

✚Croyden, Penn.—(Bridgewater post office)—(Official)—The contract for the construction of a one-story, 40x250-ft. dairy for Joseph R. Grundy, Bristol, Penn., has been awarded to C. Z. STRODLING, Oxford Valley, Penn. Heacock & Hokanson, 1218 Chestnut St., Philadelphia, Penn., is Arch. Noted July 1.

Haverford, Penn.—Bids are being received by H. Brooks Price, Arch., 105 West 40th St., New York, N. Y., for the construction of a two-story, 34x89-ft. garage for Archibald G. Thomson, New Stock Exchange Bldg., Philadelphia, Penn. The estimated cost is $25,000.

✚Philadelphia, Penn.—Frank F. Lefian has awarded the contract for the construction of a one-story, 55x244-ft. garage to HARRY BROCKLEHURST, 512 Norris St. The estimated cost is $13,000.

Philadelphia, Penn.—Bids are being received by John Scott & Co., American and Diamond St., for the construction of a four-story, 50x122-ft. addition to its warehouse to cost $50,000. M. Ward Easby, 1420 Chestnut St., is Arch. Noted Aug. 12.

Zellenople, Penn.—H. C. Eilholtz contemplates the construction of a two-story, 58x100-ft. commercial garage to cost $12,000.

✚Wilmington, Del.—Philip Johnson has awarded the contract for the construction of additions and alterations to his warehouse to CHARLES J. DOUGHERTY. Roscoe C. Tindall, Equitable Bldg., is Arch.

Wilmington, Del.—The contract will soon be awarded by Brown & Whiteside, Arch., Du Pont Bldg., for the construction of a one-story, 32x240-ft. warehouse for the Electric Hose & Rubber Co. The estimated cost is $15,000.

Baltimore, Md.—C. Warner Storck, Charles and Franklin St., plans the construction of a two-story warehouse, to cost $25,000. E. H. Glidden, Garrett Bldg., is Arch.

✚Baltimore, Md.—John F. Hancock & Son, 4 South Howard St., has awarded the contract for the construction of a three-story, 22x60-ft. addition to its warehouse to CHARLES H. BROOKS, 923 North Carey St. The estimated cost is $10,000.

Baltimore, Md.—Bids are being received by E. E. Ottenheimer, 327 Law Bldg., for the construction of a one-story, 30x65-ft. garage. The estimated cost is $10,000. F. E. Beall, 306 St. Paul St., is Arch.

Baltimore, Md.—The Baltimore Lumber Co., Baltimore, Md., will build a four-story warehouse on Watson St. George R. Callis, Jr., is Arch.

✚Baltimore, Md.—The contract for the construction of a 334x176-ft. factory on Hull St. for G. Ober & Sons has been awarded to the SANFORD & BROOKS CO., at $55,000.

✚Washington, D. C.—IRWIN & LEIGHTON, 12th and Cherry St., Philadelphia, Penn., has been awarded the contract for the construction of a six-story, 100x300-ft. service building for the Ford Motor Co., Detroit, Mich. The estimated cost is $600,000. Kohn & Wilby, 58 La Fayette Ave., Detroit, Mich., is Arch.

✚Washington, D. C.—Peter M. Dorsch, 1811 Seventh St., N. W., has awarded the contract for the construction of a two-story, 48x60-ft. bakery to A. M. POYNTON, 715 14th St.,

N. W. The estimated cost is $15,000. Simmons & Cooper, Corcoran Bldg., is Arch.

Richmond, Va.—Bids are being received by Baldwin & Brown, 1557 East Main St., for the construction of a six-story warehouse to cost $30,000. Carmeal & Johnson, Chamber of Commerce Bldg., is Arch. Noted Aug. 5.

Columbia, S. C.—The Carolina Veneer Co., Biltmore, N. C., will build a factory. Joseph E. Kocka is Pres. Estimated cost, $50,000.

Dothan, Ala.—The Farmers' Union Warehouse Co. will build a warehouse, to cost $75,000.

Dothan, Ala.—The Central Warehouse & Gin Co., recently incorporated, will build a warehouse. Estimated cost, $75,000.

Fayetteville, Tenn.—The Elk Cotton Mills will build a mill. The estimated cost is $90,000. J. E. Sirrine, Greenville, S. C., is Arch. and Engr.

Johnson City, Tenn.—The Clinchfield Products Co. plans the construction of a $500,000 plant.

Canton, Ohio—The United Steel Co. plans the construction of a $2,000,000 plant.

Cleveland, Ohio—The Commercial Flour & Milling Co., 1253 Superior Viaduct, will build a five-story, brick warehouse on Scranton Rd. William J. Mahnke is Pres. Estimated cost, $25,000.

Cleveland, Ohio—Bids will be received until Oct. 1 by the W. W. Hodges Co., Arch., 1216 Schofield Bldg., for the construction of a one-story, 100x132-ft. factory for the J. D. Ryan Co., 211 High Ave. The estimated cost is $15,000.

✚**Cleveland, Ohio**—The contract for the construction of a four-story factory at 4223 Hamilton Ave., for the Elwell-Parker Electric Co., has been awarded to the MASTER-MULLEN CONSTRUCTION CO., 454 Rose Bldg. George S. Rider & Co., 512 Century Bldg., is Arch. Estimated cost, $50,000.

Cleveland, Ohio—The City Auto & Supply Co., 2352 Euclid Ave., will build a two-story garage and service station at East 23d and Chester St. Estimated cost, $25,000.

Cleveland, Ohio—The Vlchek Tool Co. will build an addition to its plant at 10,709 Quincy Ave., to cost $18,000.

✚**Cleveland, Ohio**—The Chandler Motor Car Co., East 31st St. and St. Clair Ave., has awarded the contract for the construction of a plant to the BOLTON-PRATT CO., 802 Columbia Bldg. Ernest McGeorge, 853 Leader-News Bldg., is Arch. Noted July 22.

✚**Cleveland, Ohio**—W. I. THOMPSON & SON, 6110 Euclid Ave., has been awarded the contract for the construction of a four-story, 100x120-ft. factory for the Russ Co., 5700 Walworth Ave. W. W. Hodges, 1216 Schofield Bldg., is Arch.

✚**Cleveland, Ohio**—The Harshaw, Fuller & Goodwin Co., 712 Electric Bldg., has awarded the contract for the construction of a two-story, 60x109-ft. addition to its factory to SAMUEL AUSTIN & SON CO., 14,230 Euclid Ave. The estimated cost is $30,000.

Indianapolis, Ind.—S. Ringold will build a garage at Capitol and Vermont St., to cost $12,600.

Battle Creek, Mich.—H. L. Kneeland plans the construction of a $100,000 garage.

Detroit, Mich.—The Hyatt Roller Bearing Co. will build a three-story, reinforced-concrete warehouse to cost $30,000.

Hastings, Mich.—The contract will soon be awarded for the construction of a 150x300-ft. machine shop for the Consolidated Press Co. Frank D. Chase, Peoples Gas Bldg., Chicago, Ill., is Arch.

✚**Alton, Ill.**—The Western Cartridge Co. has awarded the contract for the construction of a two-story factory to the WIMMER CONSTRUCTION CO., Victoria Bldg., St. Louis, Mo. Theodore Masel is Arch.

Chicago, Ill.—Bids will be received about Sept. 1 by Price & McLanahan, Arch., Bellevue Court Bldg., Philadelphia, Penn., for the construction of a five-story, 500x800-ft. freight storage building for the Pennsylvania R.R. Co., Pittsburgh, Penn. The estimated cost is $2,000,000.

Chicago, Ill.—Bids are being received by Paul Gerhardt, 64 West Randolph St., Arch., for the construction of a six-story, 200x300-ft. warehouse for the Wheeling Corrugating Co. The estimated cost is $200,000.

✚**Chicago, Ill.**—The Michigan Central Ry., La Salle St. Station, has awarded the contract for the construction of a one-story freight house to the LEYDEN, ORTSEIFEN CO., 53 West Jackson Blvd. The estimated cost is $12,000. A. T. Hawk, 139 West Van Buren St., is Arch.

Chicago, Ill.—Revised bids are being received by A. S. Alschuler, 28 East Jackson Blvd., Arch., for the construction of a six-story, 108x120-ft. printing plant for the Regensteiner Colortype Co., 1201 West Jackson Blvd.

Chicago, Ill.—The contract will soon be awarded for the construction of a three-story, 41x116-ft. factory for the Republic Box Co., 913-31 North Halsted St. Holabird & Roche, 104 South Michigan Ave., is Arch.

✚**Chicago, Ill.**—(Official)—The Chicago Title & Trust Co., 69 West Washington St., has awarded the contract to the O. W. ROSENTHAL CO., 80 East Jackson Blvd., for the construction of a seven-story reinforced-concrete warehouse at 411 West Orange St. The estimated cost is $150,000. Paul Gerhardt, 64 West Randolph St., is Arch. Noted Aug. 5.

✚**Madison, Wis.**—The Union Transfer & Storage Co. has awarded the contract for construction of a six-story warehouse, office and plant, costing about $120,000, to N. E. BREDE, Chicago, Ill. Noted Apr. 29.

Milwaukee, Wis.—The Linde Air Products, 42d St. Bldg., New York, N. Y., plans the construction of a one-story, 150x250-ft. factory at 38th and National St. The estimated cost is $50,000.

Milwaukee, Wis.—Bids will soon be received by Kirchhoff & Rose, Arch., 1312 Majestic Bldg., for the construction of a six-story, 70x150-ft., brick and concrete addition to the plant of the Phœnix Knitting Co., 208 Broadway. The estimated cost is $100,000.

Minneapolis, Minn.—The Lansing Co. will build a five-story warehouse at 519-21 Third St., to cost $40,000.

St. Paul, Minn.—The Equity Coöperative Grain Exchange plans the construction of a reinforced-concrete grain elevator to cost $150,000.

Garden City, Kan.—The Alfalfa Milling Co. will expend $175,000 to increase the capacity of its plant.

St. Louis, Mo.—The Pulitzer Publishing Co., 212 North Broadway, contemplates the construction of a five-story publishing house, to cost $200,000. Barnett, Haynes & Barnett, Century Bldg., is Arch.

St. Louis, Mo.—Bids are being received by J. M. Dunham & Co., Arch., Dunham Bldg., for the construction of a two-story warehouse for the Hafner Mfg. Co., Main and Dock St. The estimated cost is $25,000.

✚**St. Louis, Mo.**—The Pavely Dairy Co., 3301 Park Ave., has awarded the contract for the construction of a $50,000 dairy plant to the GILSONITE CONSTRUCTION CO., Wainwright Bldg. Leonhard Haeger, 3844 Utah Pl., is Arch. Note June 17.

Troy, Mo.—The Racket Store Co. will build a two-story ice-storage building to cost $20,000. J. M. Dunham & Co., Chemical Bldg., St. Louis, Mo., is Arch.

Orange, Tex.—The plant of the Lutcher & Moore Lumber Co., which was recently destroyed by fire at a loss of $150,000, will be rebuilt.

Post, Tex.—Plans are being made to increase the capacity of the Post Cotton Mills Co. by enlarging the plant to four times its present size. The estimated cost is $1,500,000.

San Benito, Tex.—Plans are being prepared for the construction of a two-story, brick refrigeration plant for the Rio Grande Valley Ice Co. The estimated cost is $25,000.

Oklahoma City, Okla.—The contract will be awarded about Sept. 1 for the construction of an assembling plant for the Ford Motor Co., Detroit, Mich. Albert Kahn, 58 La Fayette Ave., Detroit, Mich., is Arch. J. A. Deignan is Local Mgr. Noted July 29.

Denver, Colo.—The contract will soon be awarded for the construction of a four-story, 65x65-ft. warehouse for the Turner Co. S. H. Dunford, 10 South La Salle St., Chicago, Ill., is Arch.

Gold Hill, Ore.—The Beaver Portland Cement Co. will soon start work on the construction of a $600,000 plant. J. C. Burch, Portland, Ore., is Mgr.

Giant, Calif.—The Atlas Powder Co. plans to expend $500,000 in remodeling and enlarging its plant. W. J. Webster is Pres.

✚**Ingersoll, Ont.**—JOHN HAYMAN & SONS, LTD., London, Ont., has been awarded the contract for the construction of a $50,000 factory for the Borden Mills Co.

Regina, Sask.—Bids are being received by the Robert Simpson Co., Queen and Yonge St., Toronto, Ont., for the construction of a brick and reinforced-concrete warehouse, to cost $150,000. Noted Aug. 12.

FEDERAL GOVERNMENT WORK

Post Office—Gardiner, Maine—Bids were received Aug. 13 by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of a post office at Gardiner (a) limestone, (b) standstone, as follows: Potters Lumber Co., East Liverpool, Ohio (a) $66,899; E. T. Abbot Construction Co., New York, N. Y., (a) $58,920, (b) $61,200; Otto Nelson Co., Bangor, (a) $61,554, (b) $63,292; William H. Fissell & Co., New York, N. Y., (a) $55,000, (b) $60,000; Conners Bros. Co., New York, N. Y., (a) $64,450, (b) $66,956; C. M. Leach, Boston, Mass., (a) $68,873, (b) $75,759; James Devault, Canton, Ohio, (a) $63,431, (b) $66,900; George W. Lane & Co., Lewiston, (a) $69,874; Thomas W. Cissel & Co., Wooster, Ohio, (a) $60,000, (b) $63,000; Westchester Engineering Co., White Plains, N. Y., (a) $60,000, (b) $65,000, and T. F. Moreau, Lewiston, (a) $59,894, (b) $61,674. Noted July 8.

Miscellaneous Supplies—Boston, Mass.—Bids will be received until 10 a.m., Aug. 24, by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., for furnishing miscellaneous supplies at the navy yard, Boston.

Post Office—North Attleboro, Mass.—Bids were received Aug. 12 by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of a post office at North Attleboro, Mass., as follows: N. J. Magnan & Co., North Attleboro, (1) $54,428, (2) $54,728, (3) $55,128, (4) $55,448; C. M. Leach, Boston, (1) $52,873, (2) $53,983, (3) $54,000, (4) $55,200; E. T. Abbot Construction Co., New York, N. Y., (1) $51,900, (2) $52,700, (3) $52,600, (4) $53,300; George Howard & Sons Co., Brockton, (1) $51,000, (2) $51,400, (3) $52,000, (4) $52,400; W. H. Fissell & Co., New York, N. Y., (1) $47,990, (2) $48,890, (3) $48,359, (4) $49,337; Torbert Construction Co., Hampton, Va., (1) $50,249, (2) $50,749, (3) $51,119, (4) $51,619; R. G. Monroe & Co., North Attleboro, (1) $53,191, (2) $53,491, (3) $54,231, (4) $54,531; Potters Lumber Co., East Liverpool, Ohio, (1) $55,000, (2) $55,800, (3) $55,300, (4) $56,100; Westchester Engineering Co., White Plains, N. Y., (1) $50,700, (2) $52,500, (3) $52,000, (4) $54,000; Conners Bros. Co., New York, N. Y., (1) $54,450, (2) $55,450, (3) $55,250, (4) $55,750; James Devault, Canton, Ohio, (1) $52,270, (2) $53,000, (3) $53,517, (4) $54,000; James A. Munroe, North Attleboro, (1) $47,817, (2) $48,100, (3) $48,900, (4) $49,200, and Charles W. Wright, Lynn, (1) $54,875, (2) $55,773, (3) $56,273, (4) $56,873. Noted July 8.

★**Repairing Breakwater**—Buffalo, N. Y.—Bids will be received until 11 a.m., Sept. 1, by the U. S. Engineer, Buffalo, for furnishing and placing riprap and repairing concrete superstructure on Buffalo breakwater.

✚**Dredging**—New York, N. Y.—The contract has been awarded to the MARYLAND DREDGING & CONTRACTING CO., Produce Exchange, New York, at 12.45c. per cu.yd., for dredging in the Hackensack River, N. J., and in channel north of Shooters Island, N. Y. Noted June 24.

✚**Mechanical Stokers**—New York, N. Y.—The contract has been awarded by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., to the WESTINGHOUSE ELECTRIC & MFG. CO., Pittsburgh, Penn., at $49,332, for installing new mechanical stoker equipment in the boiler plant at the Navy Yard.

Dredging—Baltimore, Md.—Bids will be received until 2:30 p.m., Sept. 15, by the U. S. Engineer, 309 Custom House, Baltimore, for dredging in certain rivers and harbors on the east shore of the Chesapeake Bay.

✚**Boiler Plant**—Indian Head, Md.—The contract has been awarded by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction and equipment of an extension to the boiler plant at Indian Head Naval Proving Grounds to JOHN W. DANFORTH CO., Buffalo, N. Y., at $153,-931. Noted June 3 and July 15.

Fuel Oil Storage Plants—Norfolk, Va.—Bids will be received until Oct. 16 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction of fuel oil storage plants at the navy yard and station.

Post Office—Wellsburg, W. Va.—Bids were received Aug. 11 by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of a post office at Wellsburg, as follows: James Devault, Canton, Ohio, $42,600; Olin Gerlach, Frostburg, Md., $43,692; McFeely Bros., Steubensville, Ohio, $52,990; Westchester Engineering Co., White Plains, N. Y., $43,868; Carl M. Everson, Brilliant, Ohio, $45,779; Callahan-Mandl Co.,Chicago, Ill., $43,476; Thomas W. Cissel, Wooster, Ohio, $42,500; J. L. Crouse, Greensboro, N. C., $44,863; Potters Lumber Co., East Liverpool, Ohio, $43,800; A. S. Craig & Co., Follansbee, $55,214; W. H. Batson, Moundsville, $43,890; Deitrick Construction Co., Washington, D. C., $43,948; W. H. Fissell & Co., New York, N. Y., $42,700; J. S. Rogers Co., Moorestown, N. Y., $43,200; George A. Shaul, Seneca, Kan., $44,924; John G. Unkefer & Co., Minerva, Ohio, $42,700; Barnes Bros., Logansport, Ind., $42,400; Colonial Construction & Supply Co., Charlottesville, Va., $41,500; W. J. Brent Construction Co., Norfolk, Va., $48,950; Algernon Blair, Montgomery, Ala., $44,-266; Perkins & Jackson, Wheeling, $50,494, and Harris & Spindler, Wheeling, $43,798. Noted July 8.

★**Lock Gates**—Montgomery, Ala.—Bids will be received until noon, Sept. 20, by the U. S. Engineer, Montgomery, for furnishing lock gates.

Metal Work—Milwaukee, Wis.—Bids will be received until 2 p.m., Aug. 25, by the Lighthouse Inspector for furnishing metal work for two steel towers.

Irrigation—Cheyenne, Wyo.—Bids will be received until Sept. 8 at the office of the U. S. Reclamation Service, Denver, Colo., for irrigation work in Goshen Park, Wyo., and Neb., for the first 10 miles of the Ft. Laramie Reclamation. The estimated cost is $1,500,000.

✚**Post Office**—Webb City, Mo.—The contract for the construction of a post office at Webb City has been awarded to GEORGE A. SHAUL, Seneca, Kan., at $51,542. Noted June 17 and Aug. 5.

Dam—Elephant Butte, N. M.—Bids will be received until 2 p.m., Sept. 2, by A. P. Davis, Ch. Engr., U. S. Reclamation Service, Washington, D. C., for furnishing four cylinder gates and accessories for the spillway at the Elephant Butte Dam, Rio Grande Project.

✚**Reclamation**—Provo, Utah—The contract for the construction of Div. 9 of the High Line Canal, Strawberry Valley irrigation project, has been awarded to HOUSER, SIM & VORKINK, Salt Lake City, at $35,505. The work comprises 25,000 cu.yd. of excavation and the placing of 2600 cu.yd. of reinforced concrete. Noted July 1.

Dredging—Bremerton, Wash.—The low bidder for dredging both sides of Piers Nos. 6 and 7 of the Puget Sound Navy Yard, the work comprising the dredging of approximately 22,500 cu.yd. was the Ericson Construction Co., Seattle, at $0.60 per cu.yd.

Fuel Oil Storage Plants—Bremerton, Wash.—Bids will be received until Oct. 16 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction of fuel oil storage plants at the navy yard and station.

Fuel Oil Storage Plants—Mare Island, Calif.—Bids will be received until Oct. 16 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction of fuel oil storage plants at the navy yard.

Fuel Oil Storage Plants—San Diego, Calif.—Bids will be received until Oct. 16 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction of fuel oil storage plants at the navy yard and station.

Seven Buildings—San Diego, Calif.—The low bidder for constructing seven buildings at the radio station was the James H. Jacobs Construction Co., Hellman Bldg., Los Angeles, at $41,010. Noted Apr. 8 and June 24.

Locomotives—Panama—The only bid received by Maj. F. C. Boggs, Gen. Pur. Agt., Panama Canal, Washington, D. C., Aug. 16, for furnishing 12 electric towing locomotives with additional motors and spare parts was the General Electric Co., Schenectady, N. Y., at $16,800 each. Noted June 17 and July 1.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Aug. 27, by Maj. F. C. Boggs, Pur. Agt., Panama Canal, Washington, D. C., for furnishing miscellaneous supplies.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Aug. 31, by Maj. F. C. Boggs, Gen. Pur. Agt., Panama Canal, Washington, D. C., for furnishing miscellaneous supplies.

★**Miscellaneous Equipment**—Balboa, Panama—Bids will be received until 10:30 a.m., Sept. 13, by Maj. F. C. Boggs, Gen. Pur. Agt., Panama Canal, Washington, D. C., for furnishing motor-driven capstans, switchboards, cables and miscellaneous equipment for Dry Dock No. 1, Balboa Terminals.

MISCELLANEOUS

✚★**Dredging**—Boston, Mass.—The contract for dredging the channels at the Pleasant Park Yacht Club, Winthrop; Orient Heights, East Boston; Wessagussett, North Weymouth, and at the Mystic River in the vicinity of Malden Bridge has been awarded to J. P. O'RIORDAN, Boston. Noted Aug. 5.

★**Earth and Concrete Dam**—Wallingford, Conn.—(Official)—Bids will be received by F. A. Wallace (R. Wallace & Sons Co.) until 3 p.m., Aug. 18, for the construction of an earth and concrete dam and appurtenances, at the Rose Farm, Wallingford.

Shed—New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier A, Battery Pl., Manhattan, until noon, Aug. 23, for building a freight shed on the pier near the foot of 29th St.

★✚**Subway**—New York, N. Y.—(Borough of Brooklyn)—(Official)—The contract for the construction of Section No. 2, Route No. 29 of the Nostrand Ave. subway, has been awarded by the Public Service Commission to the DOCK CONTRACTOR CO., Union Sq., New York, N. Y., at $1,692,370. Noted July 15 and Aug. 5.

★✚**Subway Station**—New York, N. Y.—(Borough of Queens)—(Official)—The contract for the construction of the station finish on Route No. 50 of the Queensboro subway extension and Section Nos. 1 and 3, Route Nos. 36 and 37 of the Corona Elevated R.R. has been awarded by the Public Service Commission to SNARE & TRIEST, 233 Broadway, New York, at $750,000. Noted July 15 and Aug. 5.

✚**Machinery and Appurtenances**—New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for coal hoisting machinery and appurtenances (omitting head house), part of the coal handling plant for O. H. Perry & Son, Inc., foot of East 19th St., has been awarded to the GUARANTEE CONSTRUCTION CO., New York, N. Y. Charles H. Higgins, 30 Church St., New York, N. Y., is Consult. Engr.

Barge Canal Work—St. Johnsville, N. Y.—Bids will be received by W. W. Wotherspoon, State Superintendent of Public Works, Capitol, Albany, N. Y., until noon, Sept. 8, for constructing a harbor and dockwall on the north side of the Mohawk River east of the highway bridge at St. Johnsville. The engineer's estimate is $27,963.

Motor Fire Apparatus—Philadelphia, Penn.—According to press reports, the city plans to motorize the fire department. The City Council has appropriated $100,000 and bids will soon be asked.

Dry Dock Improvements, Etc.—Baltimore, Md.—The Baltimore Dry Docks & Shipbuilding Co. will spend $200,000 for additions and improvements to its plant at Locust Point. H. A. Evans is Vice Pres.

Dam—Toccoa, Ga.—Bids will be received by H. J. Cox, City Clk., for constructing a sectional concrete dam. H. M. Nabstedt is Engr.

Drainage—Cruger, Miss.—M. L. Culley, Jackson, Miss., is making surveys for the Abiaca Drainage District. J. L. Lundy is Comr.

Levees—Alexandria, La.—Bids will be received by the Red River, Atchafalaya and Bayou Bouef Levee Board until Sept. 10 for the following levee construction: White Place to Wilso Point, 140,000 cu.yd.; Simmsport to Deer Range, 130,000 cu.yd.; Alto Crevasse to Crooked Bayou, 325,000 cu.yd. H. B. Gist, Alexandria, is Secy.

✚**Wharves**—New Orleans, La.—The contract for the reconstruction of the Julia St. wharf and for extending the Girod St. wharf has been awarded to the JEFFERSON CONSTRUCTION CO., New Orleans, at $71,498.68. Noted July 22.

Speedway—Louisville, Ky.—George L. Martin, Louis Seelbach, Patrick J. Hanlon and other Louisville men, together with Carl G. Fisher, Pres., Indianapolis Motor Speedway, plan to construct a speedway in Louisville at a cost of $250,000.

Motor Fire Apparatus—Bellaire, Ohio—The following are the bids received for furnishing motor fire apparatus: G. C. Hale, Kansas City, triple combination truck, $8150; combination, $4950; tractor, $4000; total $18,000. Ahrens-Fox, triple combination, $10,000; according to specifications, $9000. J. H. McGraw & Sons, Federal Truck Co., tractor, $2475; tractor M., $2490. Robinson Fire Apparatus Co., triple combination, $10,000; combination, $5500; tractor, $2950; total, $16,320. Boyd Truck Co., triple combination, $8580; combination, $5500; total, $13,800. Eagraves Co., triple combination, $9000; combination, $5000; total, $14,000. American La France, J. F. Johnson, triple combinations at $8500, $9000 and $10,000; combination, $5500; tractor, $4500.

Dredging—Canton, Ohio—W. E. Sarver, City Engr., is preparing plans for dredging and improving East Creek from Tuscarawas St., East, for about two miles.

Subway Approaches—Cleveland, Ohio—The County Commissioners will hold a $2,000,000 bond sale to be used for the construction of subway street car approaches at the Detroit-Superior high level bridge. W. A. Stinchcomb is County Engr.

Tunnel—Columbus, Ohio—Bids will be received by Charles E. Steb, Secy., Board of Trustees, Ohio State University, for constructing a brick and concrete tunnel 6½x6½ ft. and 430 ft. long.

✚**Ore Unloaders**—Conneaut, Ohio—The contract for the construction of two 15-ton ore unloaders for the United States Steel Corporation has been awarded to the WELLMAN-SEAVER-MORGAN CO., Cleveland, Ohio, at $250,000.

Ditch—New Philadelphia, Ohio—Bids will be received by the Joint Board of County Commissioners, Holmes and Tuscarawas Counties, until Sept. 1, for constructing a joint county ditch. R. H. Nassdorfy is Secy. of the Joint Board.

Drainage—Sturgis, Mich.—The lowest bid submitted for constructing Hallwood drain was that of Smith & Nickelson, Sturgis, at $15,500.

Park Improvements—Kenosha, Wis.—The City Council has ordered a $120,000 bond issue, to be used for park improvements, etc.

Elevators—Madison, Wis.—Bids will be received by Lew F. Porter, Secy., Capitol Commission, until Aug. 24 for elevator work in north and final wing of new state capitol. George B. Post & Co., New York, N. Y., is Arch.

Telegraph System—West Allis, Wis.—Bids will be received by George Mahoney, City Clk., until 7:30 p.m., Aug. 20, for the installation of a fire and police alarm telegraph systems.

Drainage—Fort Madison, Iowa—It is reported that plans are being prepared by Edmund T. Perkins, Chicago, Ill., for a drainage district in Green Bay Township. The estimated cost of the proposed work is $348,000.

Tank—Shenandoah, Iowa—Bids will be received until Sept. 2, by C. M. Conway, City Clk., for the construction of a 400,000-gal. elevated tank.

✚**Drainage**—Webster City, Iowa—The following contracts have been awarded by the County Board of Supervisors: Cleaning Castner-Williams-Askland ditch approximately 245,000 cu.yd. to MULGREW-BOYCE & CO., Dubuque, Iowa, at 94.2c. per cu.yd.; Nail Ditch excavation to L. E. NELSON, Webster City, at $5984; tile work to NATIONAL SEWER PIPE CO., Webster City at $10,228.

Score Board—St. Paul, Minn.—Plans are being prepared for the construction of an electric score board for the Twin City Motor Speedway. The estimated cost is $16,000. Samuel Kandel, Chicago, Ill., is Arch.

Dock and Warehouse—St. Louis, Mo.—It is reported that the city will construct a municipal dock and warehouse at the Chain of Rocks to cost about $250,000.

Speedway—St. Louis, Mo.—Press reports state that a speedway is planned for Maxwelton, a suburb of St. Louis. The cost is estimated at $500,000. Frank Arcutt is interested.

✚**Levee**—Cummins, Ark.—The contract for 355,000 cu.yd. of levee work at the Linwood and Auburn levee district has been awarded to LANNAN BROS. & TANSEY, Minden, La., at .1485c. per cu.yd. Noted July 29.

✚**Levee**—Hannaberry, Ark.—The contract for constructing Farrelly Lake Levee, about four miles in length, has been awarded to HALLECK & THOM, Little Rock, at about $35,000.

✚**Levee**—Austin, Tex.—The contract for about 360,000 cu.yd. of earth work for levee construction has been awarded to CHARLES NORDSTROM, Bryan, at 18.85c. per cu.yd. J. L. Nagle is Imp. Engr.

✚**Levee**—Caldwell, Tex.—The contract for about 360,000 cu.yd. of levee embankment, including the construction of ditches, etc., has been awarded to CHARLES NORDSTROM, Bryan, Tex., at .1885c. per cu.yd. J. C. Nagle, Austin, is Engr. Noted July 15.

✚**Dry Dock**—Galveston, Tex.—Plans for the construction of a dry dock on Pelican Spit are nearly completed. The estimated cost is $500,000. J. P. McDonough and associates are the owners. The contract for grading, dredging and bulkhead work has been awarded to JOHN JACOBSON, Texas City; machinery and iron work to the CRANDALL ENGINEERING CO., East Boston, Mass. P. N. Crowell is Engr. in charge of construction. Bartholow-Willits Engineering Co., Galveston, Tex., is Arch.

✚**Wharf, Dredging, Etc.**—Houston, Tex. — Press reports state that the following contracts have been awarded: Wharf, sheds and track to HORTON & HORTON, at $139,000; dredging to L. T. GAYLORD, at $50,000; two elevated tanks, to the SOUTHERN ENGINE & PUMP CO., at $7000. E. E. Sands is City Engr.

✚**Motor Fire Apparatus**—Temple, Tex.—The contract for furnishing motor fire apparatus has been awarded to the AMERICAN LA FRANCE FIRE ENGINE CO., at $18,500. Noted June 17.

Park—Phoenix, Ariz.—The City Commission has authorized an expenditure of $75,000 for the establishment of a park. George Young is Mayor.

Dike—Cathlamet, Wash.—It is reported that the County Commissioners have approved the plans for diking District No. 1. G. A. Kyle, Portland, has prepared plans. The cost is about $160,000.

Dock—Everett, Wash.—W. H. Hoover, City Engr., is preparing plans for a dock, 25 ft. wide and 200 ft. long, with a 150-ft. float.

✚**Drainage**—North Yakima, Wash.—The contract for construction work in Drainage District No. 25, under Schedule 1 has been awarded to E. M. MOORE, 524 Sheridan Ave., Tacoma, at $17,305 and under Schedule 2, to DUNN & HOGAN, North Yakima, at $7148; J. O. Greenway is Drainage Engr.

Bulkhead—Seattle, Wash.—Press reports state that the County Commissioners have approved the plans for filling and bulkheading East Marginal Way. The cost is estimated at $50,000.

✚**Steamer**—Seattle, Wash.—The contract for the construction of a 600-ton steel steamer for the New York & Cuba Mail Steamship Co. has been awarded to the SEATTLE CONSTRUCTION & DRY DOCK CO., Seattle, Wash.

★**Piers**—Honolulu, Hawaii — Bids will be received by Charles B. Forbes, Chn., Harbor Comrs., until 2 p.m., Sept. 22, for constructing reinforced-concrete piers. For further information see advertisement under "Contracts to Be Let."

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

✚**Orono, Maine**—The contract for the construction of a dormitory for the University of Maine has been awarded to JOHN W. BURROWS & CO., 112 Preble St., Portland, Maine. C. Parker Crowell, 41 Central St., Bangor, Maine, is Arch.

✚**Amherst, Mass.**—The contract for the construction of a laboratory building at the Massachusetts Agricultural College has been awarded to HOOPER & CO., 101 Tremont St., Boston, Mass. J. H. Ritchie, 8 Beacon St., Boston, Mass., is Arch. Noted July 8.

✚**Billerica, Mass.**—The contract for the construction of a three-story, 60x176-ft., brick high school has been awarded to the LEIGHTON-MITCHELL CO., 95 Milk St., Boston, Mass. Brainerd & Leeds, 89 Franklin St., is Arch. The estimated cost is $90,000. Noted July 29.

Boston, Mass.—Fred Holdsworth and Robert D. Farrington will build a 12-story office building at 9-11 Beacon St.

✚**Cambridge, Mass.**—The contract for the construction of St. Paul's Church on Arrow and De Wolfe St. has been awarded to JOHN B. BYRNE, 162 Sidney St. E. T. P. Graham, 20 Beacon St., Boston, Mass., is Arch.

Fitchburg, Mass.—A theater will be built on Main near Olivers St. George A. Whitney is Arch.

✚**Holyoke, Mass.**—The contract for the construction of a five-story, 65x122-ft., brick business block and theater for James Baker has been awarded to P. J. KENNEDY & CO., INC. George P. B. Alderman & Co., 437 High St., is Arch.

North Adams, Mass.—The City Council plans the construction of a two- and three-story, 90x200-ft. high school to cost $168,000.

Roxbury, Mass.—Plans have been prepared by A. J. Carpenter, Jr., Arch., for the construction of a four-story commercial building at Warren Ave. and Claredon St. Estimated cost, $50,000.

Albany, N. Y.—The Trustees of the Albany Medical College, 58-64 Eagle St., contemplate the construction of a hospital, to cost about $265,000.

✚**Hudson, N. Y.**—CAMPBELL & DEMPSEY, Kingston, has been awarded the general contract for the construction of a jail in the rear of the courthouse. The estimated cost is $50,000. William J. Beardsley, 49 Market St., Poughkeepsie, is Arch.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 3 p.m., Aug. 23, by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., New York, for the general construction of additions and alterations to Public School No. 89 at Newkirk Ave., between East 31st and East 32nd St. Noted May 27.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Warren & Wetmore, Arch., 16 East 47th St., for the construction of a 12-story fireproof apartment house on Park Ave. between 50th and 51st St. for the Park Avenue Improvement Co., Inc. The estimated cost is $700,000. Harry Fischel is Pres. of the company.

✚**New York, N. Y.**—(Borough of Manhattan)—The general contract for the construction of a 16-story bank and office building at Fifth Ave. and 43d St. for the Five Hundred and Eleven Fifth Avenue Corporation has been awarded to the COLUMBUS CIRCLE CONSTRUCTION CO., 15 Columbus Circle, New York. York & Sawyer, 50 East 41st St., is Arch.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Neville & Bagge, Arch., 105 West 40th St. for the construction of a 12-story apartment house at 99th St. and West End Ave. The estimated cost is $500,000. Noted July 22.

New York, N. Y.—(Borough of Manhattan)—The Pan-American States Association, McAlpin Hotel, Broadway, 33d and 34th St., contemplates the construction of a 42-story building to be known as the "All America's Building." L. F. Strickland, 516 Hume-Mansur Bldg., Indianapolis, Ind., is Mgr.

✚**New York, N. Y.**—(Borough of Manhattan)—A. L. MORDECAI & SON, INC., 30 East 42d St., New York, has been awarded the general contract for the construction of a 12-story apartment house on Park Ave. from 51st to 52d St. for the Three Hundred and Thirty Park Avenue Co. Warren & Wetmore, 16 East 47th St., is Arch.

Rensselaer, N. Y.—Plans have been prepared for the construction of a two-story school to replace Public School No. 1 on Third St. The estimated cost is $50,000. William Baker is Chn., Finance Com. of Common Council. Noted July 15.

✚**Rochester, N. Y.**—The general contract for the construction of a two-story, 98x109-ft. brick, store and loft building at East Ave. and Scio St. for Dr. Sumner Hayward has been awarded to E. L. ALBRIGHT, Insurance Bldg., Rochester. Estimated cost, $50,000.

✚**Scarsdale, N. Y.**—The contract for the construction of a two-story brick and stone high school containing an auditorium has been awarded to GEORGE T. KELLY, 20 John St., Yonkers. Estimated cost, $64,000. H. C. Lakin is Clk., Bd. of Education and Guy Lowell, 225 Fifth Ave., New York, is Arch. Noted July 15.

✚**Troy, N. Y.**—The Troy Gas Co. has awarded the general contract for the construction of a five-story, 53x83-ft. office building to CHARLES CROWLEY & CO., 114 Third St., Troy. The cost is estimated at $100,000.

White Plains, N. Y.—(Official)—Bids will be received until 10 a.m., Aug. 31, by the Westchester County Building Commission, Robert W. Brewster, Chn., for a $500,000 addition to the courthouse at White Plains for the County of Westchester. Benjamin W. Morris, 101 Park Ave., New York, is Arch. Plans can be had from the Commission at White Plains. Noted July 15 and 29.

White Plains, N. Y.—Bids will be received about Sept. 1 by Robert S. Brewster, Chn., Westchester County Bldg. Comn., for the construction of the three-story brick and stone county workhouse and penitentiary at East View. The estimated cost is $500,000. Noted May 20 and July 22.

Yonkers, N. Y.—Plans are being prepared by F. J. Berlenbach, Arch., 260 Graham Ave., Brooklyn, for the construction of a brick parochial school on Convent Ave. for the monastery of the Blessed Sacrament. The estimated cost is $50,000.

Bayonne, N. J.—Bids will soon be received by the City Commissioners for the construction of a school to replace Public School No. 5 on 13th St. Noted June 24 and July 29.

East Rutherford, N. J.—(Rutherford post office)—Bids will be received about Aug. 20, for the construction of a two-story, 61x84-ft. brick school on Vreeland Ave. near Paterson St. E. P. Hutton is Secy., Bd. of Education and John Simpson, 1224 Essex Bldg., Newark, is Arch. Noted July 15.

✚**Fort Lee, N. J.**—The J. E. VROMAN CONSTRUCTION CO., North Bergen, has been awarded the general contract for the construction of a one-story, 150x190-ft. motion picture studio for the New Jersey Studios Co. Estimated cost, $40,000. Andrew Hayek, Edgewater, is Arch.

✚**Fort Lee, N. J.**—The general contract for the construction of a brick and terra cotta studio and administration building for the Paragon Film Co., Inc., 31 East 27th St., New York, N. Y., has been awarded J. B. ROBERTS CO., 1 Madison Ave., New York, N. Y. The estimated cost is $60,000. Ernest Flagg, 109 Broad St., New York, N. Y., is Arch.

Paterson, N. J.—Bids will soon be received by Lee & Hewitt, Arch., 1123 Broadway, New York, N. Y., for the construction of a brick and stone edifice at Broadway and East 27th St. for the Church of the Covenant. Estimated cost, $100,000. Contracts will be awarded about Sept. 15.

+Princeton, N. J.—The MATTHEWS CONSTRUCTION CO., Princeton, has been awarded the general contract for the construction of a dining hall at the Princeton University. The entire cost is estimated at $300,000. Noted May 27.

Erie, Penn.—B. E. Briggs, City Engr., has plans for the construction of a union depot and subways at Peach and Sassafras St. The cost is estimated at $1,800,000. A. T. Hardin, New York, N. Y., is Vice-Pres. of the New York Central R.R.

+Philadelphia, Penn.—The contract for the construction of a two-story public school at Cheltenham Ave. and Rising Sun Lane has been awarded to W. R. DOUGHERTY, 1608 Sansom St., Philadelphia, at $68,000.

+Pittsburgh, Penn.—(Official)—The contract for the remodeling of the passenger station at Smithfield and Water St. has been awarded to EDWARD BRADY & SON. M. A. Long is Arch. Noted Aug. 12.

Madison, W. Va.—(Official)—The time for receiving bids has been extended to Aug. 24, for the construction of a courthouse for Boone County. Elmer Nelson is County Clk. Noted July 22.

+Parkersburg, W. Va.—The ROCHE BRUNER BUILDING CO., 609 Johnston Bldg., Cincinnati, Ohio, at $234,026, has been awarded the general contract for the construction of a three-story, 182x235-ft. high school. Noted July 22.

Charlotte, N. C.—Plans are being prepared by Louis H. Asbury, Arch., for the construction of a brick and stone church for the Hawthorn Lane M. E. Church. The estimated cost is $40,000.

New Orleans, La.—Plans are being prepared by Baccich & De Monthuzen, Arch., for the construction of a building containing 50 rooms to be used as a Jesuit Retreat House and Chapel for the Jesuit Order. The estimated cost is $50,000. John D. Foulkes, S. J., is Representative.

Lexington, Ky.—The City Commissioners plan to hold an election in November to vote on the question of issuing $100,000 in bonds. The proceeds will be used for the construction of two schools.

Louisville, Ky.—The Bankers' Realty Co. will construct a five-story office building at Fourth and Market St. Estimated cost, $125,000. George G. Summers is interested.

Cincinnati, Ohio—Elzner & Anderson, Arch., Ingalls Bldg., has prepared plans for the construction of additions to buildings at the Longview Hospital. The estimated cost is $250,000. Noted July 1.

Cincinnati, Ohio—Bids will be received about Sept. 15, for the construction of a group of buildings for the Walnut Hills High School on Madison Rd., Hyde Park. The estimated cost is $1,000,000. Garber & Woodward, Union Central Bldg., is Arch. Noted June 3.

Cincinnati, Ohio—Bids will be received until noon, Sept. 12, by the Clerk of the Board of Education, third floor, City Hall, for the remodeling of the Lincoln Public School, Delta and Golden Ave., and the Washburn Public School, Clinton and Linn St. C. W. Handman is Business Mgr.

Cleveland, Ohio—The congregation of the St. Wendelen's Slovak Church, 2281 Columbus Rd. S. W., contemplates the construction of a group of buildings at Columbus Rd. and Freeman Ave. S. W. The group will include a church, school parsonage and sisters' home, and will cost about $175,000. Augustine Tomaseek is Pastor.

Cleveland, Ohio—Preliminary plans have been prepared for the construction of a commercial building at 1601 Euclid Ave. near East 16th St. through to Dodge Court. The estimated cost is $100,000. E. C. Beach, Williamson Bldg., is interested.

Columbus, Ohio—Bids will be received until noon Aug. 27, by Charles E. Steel, Secy., Bd. of Trustees, for the construction of a building for the College of Homeopathic Medicine and for the Home Economics Bldg., at the Ohio State University. Noted July 29.

Dayton, Ohio—Pretzinger & Musselman, Arch., is preparing plans for the construction of a five-story reinforced-concrete building at Third and Jefferson St. for the B. P. O. E., Lodge No. 58. The estimated cost is $250,000.

Van Wert, Ohio—George H. Marsh has purchased the school building in the Fourth Ward and plans to remodel it for hospital purposes. The estimated cost is $40,000.

Bloomington, Ind.—Bids will be received about Oct. 1 by R. P. Daggett & Co., Arch., 956 Lemcke Annex, Indianapolis, for the construction of a gymnasium at the Indiana University. The estimated cost is $150,000. Noted May 6 and 20.

Indianapolis, Ind.—Plans have been prepared for the construction of an apartment house at 16th and Meridian St. for the Hampton Court Realty Co. The estimated cost is $175,000.

Indianapolis, Ind.—The business men plan to construct an armory for the Indiana National Guard. The cost is estimated between $300,000 and $500,000.

Rockport, Ind.—The Spencer County Board of Commissioners has decided to appropriate $150,000 to be used for the construction of a county courthouse.

Albion, Mich.—The Albion College will construct a two-story physics laboratory building. Estimated cost, $40,000.

Kalamazoo, Mich.—Bids will be received until Oct. 1, by the Kalamazoo State Hospital for the construction of a three-story, brick building to be used by the employees of the hospital. The estimated cost is $56,000. Wernette-Bradfield-Mead Co., Grand Rapids, is Arch. Noted July 22.

Aurora, Ill.—The Island Improvement Co. plans to construct a hotel on an island which was recently added to the city. The cost is estimated at $200,000.

Chicago, Ill.—Plans are being prepared by Henry L. Newhouse, Arch., 4630 Prairie Ave., for the construction of a store, theater and apartment building on Broadway near Granville Ave. for J. M. Browarsky, 30 North La Salle St. The estimated cost is $130,000. Noted May 27.

Monmouth, Ill.—Plans are being prepared by Temple & Burrows, Arch., McManus Bldg., Davenport, Iowa, for the construction of a three-story city hall. The estimated cost is $50,000.

RAPID TRANSIT SYSTEM—NEW YORK, N. Y.

Section No. 1—Route No. 49

Bids were received July 20 by the Public Service Commission for the construction of Section No. 1, Route No. 49, a part of the Culver Rapid Transit R.R. from: (A) Post & McCord, (B) Phœnix Bridge Co., (C) A. L. Guidone & Son, Inc., (D) Cooper & Evans, (E) Connex Engineering & Construction Co., (F) Rodgers & Hagerty, Inc., (G) Frawley-Kaufman Contracting Co., (H) Oscar Daniels Co., (I) McClintic-Mashall Co., (J) Underpinning & Foundation Co., (K) Ft. Pitt Bridge Works, Pittsburgh, Penn., (L) Snare & Triest Co. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J	K	L
21,900 cu.yd. column excavation	$1.15	$1.40	$1.45	$2.50	$2.00	$1.00	$1.40	$1.20	$1.35	$1.75	$1.25	$1.50
12,900 cu.yd. railroad duct excavation	1.10	1.00	1.50	1.00	.75	1.35	1.40	1.00	1.25	2.00	1.35	1.30
8500 cu.yd. concrete masonry	5.85	5.65	7.00	5.00	8.00	6.00	6.00	5.00	5.85	7.00	6.00	5.50
10 cu.yd. brick masonry	15.00	20.00	15.00	20.00	10.00	15.00	20.00	15.00	15.00	25.00	15.00	20.00
500 lin.ft. timber piles	.35	.50	1.00	1.00	.10	.10	.50	.30	.40	1.00	.35	.50
2 M ft. timber foundations	60.00	60.00	54.00	50.00	10.00	40.00	60.00	50.00	75.00	45.00	60.00	60.00
320 lin.ft. vitrified pipe, 4 in	.20	.50	.20	.60	1.00	.40	.50	.50	.30	1.00	.25	.50
329,000 duct ft. railroad ducts	.12	.10½	.14	.10½	.09½	.15	.15	.14	.11½	.17	.12	.21
14,500 tons riveted steel (painted and erected)	46.50	48.00	46.00	47.85	49.00	48.00	47.70	49.00	50.40	45.50	49.80	49.80
600 tons steel beams and shapes	46.50	48.00	46.00	47.85	49.00	48.00	48.00	49.00	45.60	45.50	48.40	49.80
5 tons steel rods and bars in concrete	60.00	42.00	60.00	40.00	60.00	50.00	60.00	60.00	50.00	100.00	60.00	54.00
180 ton miscellaneous iron castings	55.00	45.00	60.00	36.00	55.00	50.00	50.00	41.00	41.00	80.00	50.00	56.00
3000 sq.yd. street surface restored	3.00	2.50	2.50	2.50	.50	2.50	1.50	2.75	1.50	3.00	2.50	2.00
300 lin.ft. 5-in. blue stone curb	1.00	.90	1.00	1.25	1.00	1.00	1.00	.90	1.10	1.50	1.00	1.25
100 lin.ft. 4-in. blue stone curb	1.00	.70	.90	1.00	1.00	1.00	1.00	.80	1.00	1.25	.90	1.10
4000 lin.ft. restoring old curb	.20	.25	.25	.25	.25	.15	.25	.20	.20	.75	.25	.30
13,500 lin.ft. electric overhead trolley	1.20	.70	1.00	.60	.25	1.00	1.00	1.00	1.00	1.10	2.00	2.40
100 lin.ft. depressing street surface R.R.	.50	2.00	4.50	5.00	.50	4.00	4.00	5.15	4.00	2.00	2.00	4.00
200 lin.ft. lateral movement of turnout tracks	.50	2.50	4.50	4.00	1.00	3.00	5.00	5.15	2.50	3.00	2.50	3.00
8800 lin.ft. lateral movement of surface tracks	.50	1.25	1.30	1.50	.25	2.40	2.00	2.75	2.00	2.50	2.15	2.75
1800 lin.ft. removing street surface tracks	.30	.45	.60	1.00	.10	.50	1.00	.50	.50	2.00	.55	1.50
1600 lin.ft. rebuilding street surface tracks	.85	.70	.90	1.00	.25	1.25	2.00	1.00	3.00	2.50	2.25	2.50
100 lin.ft. 4-in. water pipes	.50	.90	.50	1.00	.10	.40	.75	1.50	.80	1.25	.70	.60
100 lin.ft. 6-in. water pipes	.75	1.00	.50	1.25	.10	.50	1.00	2.00	1.00	1.50	.80	1.00
100 lin.ft. 8-in. water pipes	1.00	1.10	.50	1.50	.10	.75	1.50	2.50	1.25	2.00	1.00	1.25
100 lin.ft. 20-in. water pipes	2.00	2.50	1.50	3.00	.10	2.00	2.00	3.00	4.25	5.00	1.75	2.00
100 lin.ft. 36-in. water pipes	7.00	6.00	4.00	5.00	.10	3.00	4.00	3.00	10.00	8.00	4.50	3.00
100 lin.ft. 4-in. c.i. gas pipes	.50	.70	.45	1.00	.10	.40	.75	1.25	.80	1.25	.70	.60
100 lin.ft. 6-in. c.i. gas pipes	.75	1.00	.45	1.25	.10	.50	1.00	1.75	1.05	1.50	.80	1.00
100 lin.ft. 8-in. c.i. gas pipes	1.00	1.10	.50	1.50	.10	.75	1.50	2.25	1.35	2.00	1.00	1.25
100 lin.ft. 12-in. c.i. gas pipes	1.50	1.80	.75	2.00	.10	1.00	2.00	2.75	1.75	2.50	1.50	1.75
60 lin.ft. 6-in. w.i. gas pipes	1.00	1.05	1.00	2.00	.10	1.50	1.00	.75	1.25	2.50	.50	1.00
60 lin.ft. 8-in. w.i. gas pipes	1.00	1.15	1.00	3.00	.10	2.50	1.50	1.00	1.50	3.00	.80	1.50
4 ton c.i. hub and spigot straight pipe	50.00	35.00	65.00	70.00	60.00	30.00	40.00	30.00	60.00	50.00	40.00	40.00
50 lin.ft. standard weight 6-in. w.i. gas pipe	1.00	1.00	1.10	2.00	1.00	1.50	1.00	1.40	1.25	2.50	.70	1.50
50 lin.ft. standard weight 8-in. w.i. gas pipe	1.00	1.10	1.40	3.00	1.20	2.50	1.50	2.00	1.50	3.00	1.00	2.00
10 ton c.i. hub and spigot pipe special casting	70.00	60.00	65.00	70.00	80.00	65.00	70.00	60.00	60.00	100.00	70.00	60.00
100 lb. new malleable fittings for w.i. gas pipe	.10	.10	.05	1.00	.10	.20	.10	.20	.25	.15	.05	.10
2000 duct ft. electric ducts and conduits	.35	.25	.40	.40	.50	.50	.50	.50	.25	1.00	.30	.40
100 lin.ft. 2½ in. w.i. pipe electric ducts and conduits	.30	.70	.45	1.00	.50	1.00	1.00	.50	.50	1.50	.40	.60
100 duct ft. wooden ducts and conduits	.30	.60	.90	1.00	.50	1.00	1.00	.50	.50	1.50	.35	.60
100 duct ft. fibre electric ducts and conduits	.30	.60	.40	1.00	.60	1.00	1.00	.50	.50	1.50	.40	.60
5 electric ground connection to railroad structure	50.00	40.00	100.00	75.00	25.00	50.00	10.00	100.00	50.00	30.00	90.00	50.00
Extended totals	$877,959	$894,554	$904,437	$914,732	$915,172	$924,853	$926,895	$931,690	$947,358	$947,410	$959,803	$971,175

Eau Claire, Wis.—(Official)—Bids will be received until noon, Sept. 1, by J. C. Fennessey, City Clk., for the construction of a city hall. George Awsumb, Arch., 14 East Jackson Blvd., Chicago, Ill. has prepared plans. Noted July 15 and 29.

Milwaukee, Wis.—The Board of School Directors has commissioned Van Ryn & De Gelleke, Arch., 726 Caswell Blk., to prepare plans for the construction of a three-story brick and stone addition to the West Division High School, 23rd and Prairie St. Estimated cost, $50,000. Frank M. Harbach is Secy, of the Bd.

✚Milwaukee, Wis.—The contract for the construction of a ten-story, 80x135-ft. reinforced-concrete and terra cotta, mercantile and office building on West Water St. near Grand Ave. for the Ticonic Investment Co., 927 Wells Bldg., has been awarded to the DAHLMAN CONSTRUCTION CO., 912 Majestic Bldg., Milwaukee. Estimated cost, $125,000. Noted Apr. 29.

Milwaukee, Wis.—N. Stone plans to construct a four-story, 75x120-ft. hotel and store building at Third and Sycamore St. The estimated cost is $100,000.

Milwaukee, Wis.—A group of Chicago promoters plan to construct an apartment house on Wisconsin St. opposite the Northwestern station. The estimated cost is $100,000.

Milwaukee, Wis.—Work on the construction of a block to replace the Plankinton House will begin about Sept. 15. Charles Somers, Cleveland, Ohio, is interested. The estimated cost of the entire project is $2,000,000. Noted Oct. 15.

Montello, Wis.—Bids will be received until Aug. 16, by the County Clerk for the construction of a two-story courthouse and jail. Parkinson & Dockendorf, Linken Bldg., La Crosse, is Arch. Noted July 22.

Sparta, Wis.—The School Board has passed a resolution providing for a $75,000 bond issue. The proceeds will be used for the construction of a high school.

✚Stevens Point, Wis.—(Official)—The contract for the construction of a dormitory at the Stevens Point Normal School has been awarded to the J. F. WEINBERG CONSTRUCTION CO., Grand Rapids, at $58,486. Noted Aug. 12.

Grundy Center, Iowa—At a recent election the citizens voted in favor of issuing $85,000 in bonds. The proceeds will be used for the construction of a school.

Jefferson, Iowa—Plans are being prepared by Proudfoot, Bird & Rawson, Arch., 810 Hubbell Bldg., Des Moines, for the construction of an 80x120-ft. courthouse for Greene County. The estimated cost is $150,000.

✚Sioux City, Iowa—The contract for the construction of a two-story, 85x114-ft. brick church at 19th and Nebraska St. for the First M. E. Church has been awarded to DUBEL & ANDERSON, 514 Jackson St., Sioux City, at $65,000. Other bids were: Cromer & Small, $70,000; Andrew Ostling, $76,873; Babue & Son, $79,385; Bankers Realty & Investment Co., Omaha, Neb., $67,390; Anton Zwack, Dubuque, $75,459; Egley, Payette Construction Co., $71,451. Beuttler & Arnold, Davidson Auto Block, is Arch. Noted June 17.

Tipton, Iowa—Bids will be received until Sept. 2, by T. C. Moffet, County Audr., for the construction of a county house to cost about $50,000. Charles A. Dieman & Co., Granby Bldg., Cedar Rapids, is Arch. Noted July 29.

Crosby, Minn.—(Official)—Bids will be received until 2 p.m., Aug. 27, by J. E. McCoy, Clk., Bd. of Education, Ironton, for the construction of a two-story brick high school. The estimated cost is $100,000. Noted Aug. 5.

Duluth, Minn.—Plans are being prepared by F. G. German, Arch., 411 American Exchange Bank Bldg., for the construction of a building for the Y. M. C. A. The estimated cost is $60,000.

Minneapolis, Minn.—The First Baptist Church plans to construct a temple on 11th St. near Hennepin St. The building will contain a four-story auditorium with two 12-story wings and cost about $1,000,000. William B. Riley is Pastor.

Minneapolis, Minn.—Bids will be received until Sept. 1, by A. L. Van Dyck, Arch., 741 McKnight Bldg., for the construction of a three-story, 42x120-ft. building for the Maternity Hospital at 2201 Western Ave. The estimated cost is $50,000. Noted July 29 and Aug. 12.

Atchison, Kan.—The Kansas Avenue Methodist Church plans to construct an edifice. Estimated cost, $40,000.

Emporia, Kan.—Plans have been prepared by C. H. Chandler, Arch., State House, Topeka, for the construction of a four-story, brick and reinforced-concrete addition to the State Normal School. The estimated cost is $175,000.

✚Hays, Kan.—The contract for the construction of a two-story, 50x100-ft. brick hospital for the St. Agnes Sisters has been awarded to the JACOBS CONSTRUCTION CO., Hays. The estimated cost is $70,000. Noted June 24.

Hays, Kan.—The State Board of Administration has approved and accepted the plans prepared by C. H. Chandler, State Arch., for the construction of a three-story, fireproof building at the Fort Hays Kansas Normal School. The structure will be known as the Sheridan Coliseum and will cost about $100,000.

✚Independence, Kan.—The contract for the construction of a five-story, 92x183-ft. brick and stone office building for the Prairie Oil and Gas Co. has been awarded to the THOMPSON-STARRETT CO., 49 Wall St., New York, N. Y. The estimated cost is $300,000. Madorie & Birdsall, 832 National Reserve Bank Bldg., Kansas City, Mo. is Arch. Noted Apr. 8.

Kansas City, Mo.—Preliminary plans have been prepared by Wilder & Wight, Arch., 400 First National Bank Bldg., for the construction of a reinforced-concrete hospital for crippled and blind children to be known as the Non-Sectarian Mercy Hospital at Independence and Highland Ave. The estimated cost is $200,000.

Kansas City, Mo.—Plans are being prepared by Shepard, Farrar & Wiser, Arch., 1202 R. A. Long Bldg., for the construction of a two-story, 105x106-ft. brick church at 12th St. and Bales Ave. for the Bales Baptist Church. The estimated cost is $50,000. E. D. Hogan, 4916 Agnes St., is Chn. of Bldg. Com.

✚Kansas City, Mo.—The contract for the construction of a building at Linwood Blvd. and Prospect Ave. for the St. Joseph's Hospital has been awarded to the GEORGE A. FULLER CONSTRUCTION CO., 2218 Grand Ave., Kansas City. The estimated cost is $500,000. Wilder & Wight, 400 First National Bank Bldg., is Arch. Noted July 1.

✚Minneapolis, Kan.—The School Board has awarded the contract for the construction of a two-story, 60x100-ft. brick school to the KEARN-BOWER CO., Topeka. Estimated cost, $40,000. Noted June 17 and 24.

Fairbury, Neb.—Plans are being prepared for the construction of a fire-proof motion picture theater to cost about $65,000. T. W. Van Leich and W. S. Weertser, Chicago, Ill. and C. W. Bartlett, Fairbury, are interested.

✚Omaha, Neb.—The contract for the construction of a church at 16th and Center St. has been awarded to O. F. NELSON, 600 Barker Blk., Omaha, at $40,000.

✚Omaha, Neb.—The contract for the construction of a hospital at 25th and Douglas St. has been awarded to the HOME BUILDERS CO., Omaha. James T. Allen, Brandeis Theater Bldg., is Arch. and Dr. Michael J. Ford is in charge. The estimated cost is $150,000. Noted July 22.

Cheyenne, Wyo.—Bids will be received until Sept. 6, by H. B. Gates, State Treas. for the construction of additions and alterations to the State Capitol. The estimated cost is $150,000. William Du Bois, 1614 Capitol Ave., is Arch. Noted Mar. 11.

Continued on P. 140.

FREMONT AVE. BRIDGE, SEATTLE, WASH.

Bids were received July 23 by A. H. Dimock, City Engr., Seattle, Wash., for the construction of the superstructure of a bridge over Lake Washington Canal at Fremont Ave. from: (A) Booker, Kiehl & Whipple; (B) J. R. Wood; (C) Beer's Building Co. Bids for the substructure of the same bridge were received from: (A) Pacific States Construction Co.; (B) Hans Pederson; (C) Beer's Building Co. The item bids were as follows:

Superstructure	A	B	C
260,000 lb. machinery, furnishing and erecting	$0.112	$0.115	$0.1245
2,050,000 lb. structural steel, furnishing and erecting	.041	.042½	.0423
Furnishing 305,000 lb. structural steel, erected by contractor for substructure	.0333	.035	.0325
700 cu.yd. furnishing, placing and adjusting gravel concrete counterweight	5.65	7.00	5.00
10 cu.yd. furnishing, placing and adjusting cinder concrete counterweight	5.65	10.00	7.00
1 gravel concrete test block, furnishing and weighing	11.00	25.00	10.00
1 cinder concrete test block, furnishing and weighing	11.00	25.00	10.00
1010 sq.yd. roadway floor on movable leaves	5.25	5.35	2.85
400 sq.yd. roadway floor, including reinforcement, on fixed portion	3.30	3.40	2.40
490 sq.yd. sidewalk floor on movable leaves	1.00	.75	.50
172 sq.yd. sidewalk floor on fixed portion	1.20	1.00	1.25
20,000 lb. reinforcing bars in concrete counterweight	.03	.04	.0275
Electrical equipment complete in place (lump sum)	13,819	11,950	13,288
4 operators' houses and 2 toilet rooms complete (lump sum)	6890.00	8000.00	6000.00
Meneely fog bell in place (lump sum)	90.00	125.00	100.00
2 copper ball vessel signals in place	70.00	175.00	15.00
4 double-arm roadway gates complete in place	302.50	300.00	300.00
Wooden steps and railings and angle iron bracket supports for access to machinery at sides of trusses	125.00	25.00	200.00
2 pairs steel ladders for access to counterweight pit pumps	50.00	35.00	60.00
2 pit pumps complete	429.00	175.00	425.00
2 iron gratings over counterweight pit pumps	25.00	15.00	20.00
60 lin.ft. black iron pipe railings on stairways and platforms below deck	1.65	.75	.50
2 machinery houses complete	450.00	450.00	300.00
130 lin.ft. galvanized iron pipe railings at sides and rear of anchor piers	2.00	1.25	.50
14 oak buffer blocks	5.00	5.00	3.00
Extended totals	$159,890	$163,618	$154,601

Substructure	A	B	C
Removing existing structures and debris (lumpsum)	$2000.00	$3500.00	$1000.00
15,000 cu.yd. excavation	2.00	2.80	2.50
3500 cu.yd., Class A, concrete deposited under water	7.00	6.60	7.50
3200 cu.yd.. Class C, concrete in piers above water	6.65	7.00	7.50
6700 cu.yd., Class C, concrete in unwatered foundations and piers (alternate to two preceding items)	6.75	7.00	8.15
1100 cu.yd., Class B, concrete	10.00	12.00	6.00
300 cu.yd., Class D, mortar	20.00	15.00	10.00
155,000 lb. reinforcing steel	.03	.028	.0275
Placing and painting structural steel, grillages and anchor bolts, including grouting, 305,000 lb.	.0075	.004	.0437
2 fir bumping logs	23.00	25.00	10.00
7000 lin.ft. peeled piles in protection works	.20	.20	.15
9 M ft. b.m. timber in protection works	25.00	25.00	14.00
570 lin.ft. chains on dolphins	.30	.30	.30
4 test piles	15.00	5.00	10.00
1200 cu.yd. extra excavation below elevation—35	1.50	2.00	2.00
1200 cu.yd. extra, Class A, concrete below elevation—32	6.00	4.00	6.00
1200 cu.yd. extra, Class C, concrete in case foundations are unwatered (alternate to preceding item)	5.85	5.00	6.00
8 eye bolts is shafts of anchor piers	2.50	2.00	15.00
Extended totals	$112,651	$123,422	$127,068
Alternates	$111,916	$126,024	$131,423

BUILDINGS—Continued from Page 138

Billings, Mont.—Bids will soon be received for the construction of an edifice for the First Presbyterian Church. The estimated cost is $40,000.

+Great Falls, Mont.—The contract for the construction of a three-story, concrete office building to be known as the Tribune Bldg. has been awarded to the NESS-THEISON CONSTRUCTION CO., Great Falls, at $76,200. Noted May 20.

Ozark, Mo.—An election will be held Oct. 30 to vote on the question of issuing $50,000 in bonds. The proceeds will be used for the construction of a courthouse for Christian County. Noted July 15.

St. Joseph, Mo.—The School Board is having plans prepared for the construction of the Bliss Ward School to cost about $65,000 and for the North St. Joseph High School, estimated to cost $150,000.

St. Louis, Mo.—Plans are being prepared by John M. Dunham Co., Arch., 1018 Chemical Bldg., for the construction of a five-story, reinforced-concrete, fireproof building at 410 Washington Ave. for Joseph J. Foster. The estimated cost is $73,000.

+St. Louis, Mo.—The contract for the construction of a two-story mercantile building at 1100-4 North Sixth St., for the Biddle Estate, has been awarded to N. SCHWEGLER, at $40,000.

St. Louis, Mo.—The Mercantile Trust Co. plans to construct an addition to its building at Eighth and Locust St. The cost is estimated at $500,000.

Coldspring, Tex.—Lane & Dowdy, Arch., 710 Paul Bldg., Houston, is preparing plans for the construction of a courthouse for San Jacinto County. The estimated cost is $40,000. Noted May 20.

College Station, Tex.—(Official)—Bids will be received about Oct. 1 for the construction of a group of buildings at the Agricultural and Mechanical College. The group will include a $50,000 hospital, $40,000 stock judging pavilion, a dairy, laundry and barn. R. Adelspeyer is Arch. and J. K. Ashburn is Publicity Agent. Noted July 22 and 29.

Dallas, Tex.—Plans are being prepared by William B. Ithner, Arch., 408 Board of Education Bldg., St. Louis, Mo., for the construction of a school. The estimated cost is $120,000.

Nacogdoches, Tex.—An election will soon be held to vote on the question of issuing $45,000 in bonds. The proceeds will be used for the construction of a school.

San Angelo, Tex.—(Official)—Bids will be received until Aug. 25, for the construction of a three-story brick high school. Ross & Cason, 1509 Amicable Bldg., Waco, is Arch. Noted May 27.

Tahoka, Tex.—At a recent election the citizens voted in favor of issuing $60,000 in bonds, the proceeds of which will be used for the construction of a courthouse and jail for Lynn County. Noted July 29.

+Oklahoma, Okla.—The general contract for the construction of the Oklahoma State Capitol has been awarded to JAMES STEWART & CO., INC., 30 Church St., New York, N. Y. The estimated cost of the project is $1,500,000. John H. Frederickson is the Western Mgr. of the company. Noted June 24.

Clarkdale, Ariz.—At a recent election the citizens voted in favor of issuing $45,000 in bonds. The proceeds will be used for the construction of a high school.

Kingman, Ariz.—At a recent election the citizens voted in favor of issuing $60,000 in bonds. The proceeds will be used for the construction of a school.

Medical Lake, Wash.—The State Board of Control has approved and accepted the plans prepared by Julius A. Zittel, Arch., 507 Jamieson Bldg., Spokane, for the construction of five buildings at the Medical Lake School for Feeble-Minded. The entire cost is estimated at $500,000. Noted Aug. 5.

Seattle, Wash.—S. Benson has donated $100,000 to be used for the construction of the first unit of a School of Trades for Boys and Girls. The School Board will appropriate $100,000 toward this work.

Seattle, Wash.—Bids have been received for the construction of an apartment and hotel building at Fourth and Marion St. as follows: Woeck & Behrens, Arcade Bldg., $84,187; Grant Smith & Co., Henry Bldg., $82,950; Pacific States Construction Co., Burke Bldg., $80,000; Sound Construction & Engineering Co., Lowman Bldg., $79,879; Booker, Kiehl & Whipple, Central Bldg., $79,500; Kieburtz & Smith, Railway Exchange Bldg., $77,300; Ferro Concrete Co., Empire Bldg., $76,392; Brandt Construction Co., 2327 5th N. St., $75,867; Butler Construction Co., Central Bldg., $75,100; Erickson & Larson, 5011 Meridian St., $75,025; Washington Construction Co., Northern Bldg., $74,302; Jenkins & Jones, Transportation Bldg., $74,000; J. H. Tolman, Haight Bldg., $73,572; Nettleton-Bruce-Eschbach Co., American Bank Bldg., $73,500; Franklin Engine Co., Alaska Bldg., $73,200; Pearson Construction Co., New York Blk., $71,887; F. Forrestal, 312 20th Ave. S., $71,700; A. U. Quist & Co., Hoge Bldg., $71,525; Martin & Dugan, Northern Bank Bldg., $71,300; Syliessan & Sando, Downs Bldg., $71,000; Finne & Gjarde, Northern Bank Bldg., $66,559; McRae Bros., American Bank Bldg., $67,182. W. R. Willcox, Boston Blk., is Arch.

Vancouver, Wash.—The State Board of Control has approved and accepted the plans prepared for the construction of an administration building at the School for the Blind. Estimated cost, $75,000. Noted June 10 and July 22.

Portland, Ore.—Bids will soon be received for the construction of a business and office building at Grand Ave. and East Alder St. for the East Side Holding Co. and the Citizens Bank. The estimated cost is $50,000.

Sacramento, Calif.—The Legislature has appropriated $2,000,000 to be used for repairing, enlarging and developing state buildings in California. The appropriation includes $195,000 for additional buildings at the Norwalk State Hospital for the Insane, Norwalk; $50,000 for cottages at the Southern California State Hospital; $50,000 for exposition buildings in Los Angeles Agricultural Park; $60,000 for cottages at Whittier State School; $52,000 for two cottages at the Ventura School for Girls.

+Sacramento, Calif.—The contract for the construction o a seven-story bank building for the Capitol National Bank has been awarded to the McGILLIVRAY CONSTRUCTION CO. Estimated cost, $200,000.

San Francisco, Calif.—M. M. O'Shaughnessy, City Engr. is preparing plans for the construction of the Forest Hill Station on the line of the Twin Peaks Tunnel. The estimated cost is $250,000.

+The Narrows, Man.—The contract for the construction of a school has been awarded to PIGOTT & HEALEY, Battleford, Sask. Estimated cost, $43,000. Noted July 1.

+Rothesay, N. H.—The Consolidated School Board has awarded the general contract for the construction of a school to W. H. HENDERSON, Rothesay. The estimated cost is $70,000.

SEWER EXTENSION—BOSTON, MASS.
Section 106

+Bids were received July 28 by the Metropolitan Water and Sewerage Board for the construction of sewers in Section No. 106 of the high level sewer, South Metropolitan System, in Needham and Wellesley from (A) Bruno & Petitti, (B) M. Russo & Son, (C) Michael Meehan, (D) Henry Spinach Contracting Co., (E) George M. Bryne, (F) Coleman Bros., (G) HUGH NAWN CONTRACTING CO., Roxbury, (awarded contract). The item bids were as follows:

	A	B	C	D	E	F	G
4330 lin.ft. earth excavation and refilling in trench and embankment 24 in. x 27 in. concrete sewer	$10.00	$7.84	$6.00	$6.00	$6.00	$4.70	$2.75
25 lin.ft. earth or rock excavation in tunnel, 24 in. x 27 in. concrete sewer	25.00	14.00	25.00	25.00	25.00	20.00	6.00
60 cu.yd. portland brick masonry in manholes	16.00	17.00	20.00	20.00	16.00	17.00	18.00
1950 cu.yd. portland concrete masonry in trench	8.50	9.00	8.50	8.00	8.00	8.00	7.50
15 cu.yd. portland concrete masonry in tunnel	15.00	12.00	15.00	15.00	10.00	12.00	10.00
Extended totals	$61,685	$53,047	$44,605	$43,630	$43,315	$37,651	$27,912

RAPID TRANSIT SYSTEM—NEW YORK, N. Y.
Section No. 2, Route No. 29

Bids were received July 28 by the Public Service Commission for the construction of Section No. 2, Route No. 29, a part of the Nostrand Ave. Subway from (A) Dock Contractor Co., (B) D. Donegan Co., (C) T. A. Gillespie Co., (D) Newman & Carey, (E) Rodgers & Hagerty, Inc., (F) Underpinning & Foundation Co., (G) Oscar Daniels Co., (H) Mason & Hanger Co., Inc., (I) E. E. Smith Contracting Co., (J) John J. Creem. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J
262,800 cu.yd. earth excavation above main high water (ex. S. & D.)	$1.73	$1.80	$2.20	$1.90	$2.40	$2.00	$2.50	$2.30	$2.65	$4.00
19,000 cu.yd. earth excavation below main high water (Ex. S. & D.)	1.73	2.25	2.20	3.50	2.40	7.00	3.00	2.30	3.50	4.00
46,200 cu.yd. earth excavation above and below main high water S. P. & D.	1.73	2.00	2.20	1.90	2.40	2.00	2.50	2.30	2.65	4.00
80 lf.ft. underpinning buildings under seven stories	85.00	20.00	50.00	60.00	50.00	100.00	50.00	40.00	40.00	42.00
1000 lf.ft. maintaining, protecting and securing buildings	69.00	20.00	10.00	20.00	1.00	50.00	20.00	25.00	1.00	26.00
53,000 cu.yd. concrete masonry in place	6.25	7.00	7.00	7.50	7.50	6.50	8.00	8.00	8.00	8.00
8100 cu.yd. concrete masonry outside of waterproofing	6.25	7.00	7.00	6.50	7.50	6.50	8.00	8.00	7.00	8.00
50 cu.yd. rubble stone masonry	6.00	6.00	8.00	10.00	3.00	6.50	12.00	6.50	7.00	8.00
50 cu.yd. dry rubble masonry	5.50	6.00	3.50	10.00	2.00	6.00	7.00	5.00	6.00	6.00
60 cu.yd. brick masonry	14.00	18.00	14.00	20.00	15.00	25.00	12.00	15.00	15.00	15.00
2 cu.yd. vitrified brick masonry	20.00	25.00	25.00	50.00	30.00	25.00	20.00	17.00	20.00	30.00
60 cu.yd. hollow terra cotta brick or tile masonry	12.00	15.00	15.00	15.00	15.00	25.00	15.00	15.00	15.00	15.00
1000 bbl. grout of Portland cement	1.00	2.00	2.70	2.65	.90	2.00	1.00	2.50	2.50	2.50
1000 lin.ft. timber piles, in place and prepared	.20	.60	.40	.60	.15	.70	.30	.50	.50	.30
2 M ft. b.m. timber foundations placed and fastened	45.00	40.00	45.00	60.00	20.00	50.00	50.00	65.00	50.00	50.00
50 cu.yd. broken stone or gravel in place	1.00	3.00	2.20	3.00	2.00	3.00	2.00	2.50	2.50	2.00
36,100 sq.yd. waterproofing, one-ply	.33	.45	.50	.40	.35	.45	.35	.45	.50	.45

	A	B	C	D	E	F	G	H	I	J
100 sq.yd. waterproofing, two-ply	.57	.85	.50	.85	.60	.90	.70	.60	.75	.50
28,600 sq.yd. waterproofing, three-ply	.80	1.00	.90	1.20	.80	1.35	.90	.95	1.00	1.35
100 sq.yd. waterproofing, four-ply	1.04	1.40	.98	1.60	1.15	1.75	1.40	1.20	1.25	1.20
100 sq.yd. waterproofing, five-ply	2.28	1.80	1.20	1.90	1.40	2.25	1.70	1.50	1.50	1.50
100 sq.yd. waterproofing, six-ply	2.52	2.10	1.50	2.30	2.00	2.65	2.00	1.80	1.75	2.50
100 sq.yd. waterproofing, dry-ply	.19	.40	.30	.25	.35	.40	.35	.30	.50	.35
5400 cu.yd. brick in asphalt mastic	19.00	23.00	20.00	30.00	20.00	25.00	20.00	25.00	17.00	25.00
50 lin.ft. drain pipe, 12-in. vitrified	.70	.80	.80	.60	.75	1.20	1.00	.90	1.00	.70
50 lin.ft. drain pipe, 10-in. vitrified	.65	.60	.60	.50	.65	1.00	.80	.80	.88	.60
50 lin.ft. drain pipe, 8-in. vitrified	.60	.50	.40	.45	.50	.80	.70	.50	.75	.50
50 lin.ft. drain pipe, 6-in. vitrified	.55	.40	.30	.40	.45	.60	.60	.40	.65	.40
50 lin.ft. drain pipe, 4-in. vitrified	.50	.40	.20	.30	.40	.40	.60	.25	.55	.30
50 lin.ft. drain pipe, 6-in. c.i.	.85	.75	.80	1.00	1.00	2.50	1.00	1.20	2.00	1.00
50 lin.ft. drain pipe, 4-in. c.i.	.55	.50	.60	.90	.50	1.60	.60	.75	1.50	.60
50 lin.ft. drain pipe, 10-in. c.i.	1.25	1.50	1.60	2.20	2.50	3.00	1.70	2.00	4.00	1.50
100 lin.ft. 3-in. c.i. pipe and fittings "extra heavy"	.75	.50	.60	.75	1.00	1.50	.60	.90	1.00	.75
100 lin.ft. 4-in. c.i. pipe and fittings "extra heavy"	1.00	.75	.72	1.20	1.25	1.60	.70	1.00	1.50	1.00
200 lin.ft. 6-in. c.i. pipe and fittings "extra heavy"	1.10	1.00	1.10	1.60	1.50	2.50	1.10	1.40	2.00	1.25
200 lin.ft. 8-in. c.i. pipe and fittings "extra heavy"	1.60	1.20	1.40	2.00	2.50	3.00	1.35	2.00	3.00	2.00
254,800 duct ft. tunnel ducts in place as regulated by section 407	.10	.11	.11	.12	.11½	.15	.10	.10	.10	.11
1650 ton riveted steel, painted and erected	55.50	54.00	58.00	65.00	55.00	70.00	55.00	60.00	65.00	63.00
4050 ton steel beams and shapes	4.00	54.00	55.00	55.00	55.00	60.00	51.00	55.00	55.00	57.00
410 ton steel rods and bars built in concrete	38.00	50.00	40.00	47.00	50.00	80.00	55.00	50.00	45.00	50.00
35 ton miscellaneous iron castings	50.00	70.00	55.00	75.00	60.00	100.00	60.00	65.00	60.00	50.00
10 ton miscellaneous iron furnishings	60.00	70.00	60.00	75.00	100.00	100.00	60.00	70.00	60.00	50.00
300 lb. special wire forms, in place	.09	.30	.12	.30	.10	.40	.15	.10	.25	.10
9670 lin.ft. 1¼-in. seasoned oak or ash hand rail	.22	.30	.40	.30	.30	.35	.27	.40	.30	.50
9080 sq.ft. steel gratings for ventilation	1.22	1.50	1.30	1.60	1.50	1.10	1.50	1.50	1.50	1.50
525 sq.ft. vault lights, in place	.90	1.50	1.30	1.30	1.25	1.10	1.00	1.40	1.50	1.50
3920 sq.yd. sidewalks restored	.90	1.50	1.00	3.00	1.35	1.48	2.25	1.75	1.60	2.00
1700 sq.yd. repavement of roadways, asphalt pavement	1.50	2.50	1.70	2.50	2.50	2.42	2.50	2.70	2.00	2.50
23,800 sq.yd. repavement of roadways, granite block	.42	1.00	.25	1.00	.30	.88	1.40	2.00	.70	1.75
12,100 sq.yd. repavement of roadways, Belgian block	.42	1.00	.25	.40	.30	.88	1.40	2.00	.70	1.35
100 lin.ft. new bluestone curb, in place	1.00	1.00	1.00	1.50	1.00	2.00	.80	.90	1.50	1.00
100 lin.ft. new 8-in. granite curb, in place	1.00	2.00	2.00	2.50	1.50	2.50	1.10	1.20	2.50	2.00
12,000 lin.ft. ¾-in. w.i. electric conduits	.14	.20	.16	.19	.15	.30	.12	.12	.30	.20
600 lin.ft. 1¼-in. w.i. electric conduits	.26	.40	.31	.30	.25	.40	.27	.25	.40	.30
350 lin.ft. 2-in. w.i. electric conduits	.33	.50	.38	.45	.30	.50	.35	.30	.55	.40
3500 lin.ft. 1-in. w.i. electric conduits	.19	.30	.23	.25	.20	.30	.16	.18	.35	.25
1000 c.i. outlet boxes, in stations	.25	1.00	.70	1.00	1.00	1.50	1.00	1.00	.80	1.00
6 c.i. pull boxes in stations	1.50	2.00	.70	1.25	1.50	1.50	1.50	2.00	5.00	5.00
260 lin.ft. 6-in. "extra heavy" c.i. pipe and fittings station	1.00	2.00	.90	1.60	1.50	2.50	1.10	1.50	2.00	1.50
200 lin.ft. 3-in. "extra heavy" c.i. pipe and fittings in station	.75	1.00	.40	.75	1.00	1.50	.60	.90	1.00	.75
1850 lin.ft. sewer pipe, 12-in. vitrified	2.26	1.25	1.50	2.40	2.40	3.60	2.20	3.00	2.75	3.50
3570 lin.ft. sewer pipe 15-in. vitrified	2.56	1.50	2.00	2.75	2.75	2.80	2.60	3.50	3.25	3.80
1150 lin.ft. sewer pipe, 18-in. vitrified	3.00	2.00	2.00	3.20	3.25	5.00	3.20	4.00	3.75	4.20
2110 lin.ft. sewer pipe, 20-in. vitrified	3.30	2.25	2.50	3.50	4.00	5.00	3.50	4.20	4.25	4.53
775 lin.ft. sewer pipe, 22-in. vitrified	3.70	2.50	3.00	3.75	4.50	5.00	3.75	4.60	4.75	4.84
440 lin.ft. sewer pipe, 24-in. vitrified	4.05	3.00	3.80	4.15	5.00	6.00	4.50	4.80	5.25	5.17
66 ton c.i. sewer pipe (straight)	38.00	50.00	45.00	50.00	40.00	50.00	38.00	45.00	35.00	50.00
11 ton c.i. sewer pipe (special)	55.00	75.00	65.00	100.00	75.00	100.00	70.00	75.00	75.00	80.00
50 lin.ft. egg-shaped brick or concrete sewer 3 ft., 6 in., x 2 ft. 4 in.	5.40	5.00	5.50	5.00	6.00	8.00	4.50	6.20	7.25	5.50
410 lin.ft. circular brick or concrete sewer, 4 ft., 0 in. diameter	5.70	10.00	6.50	6.00	6.00	9.00	5.50	7.00	8.25	6.50
610 lin.ft. circular brick or concrete sewer, 4 ft., 6 in. diameter	7.50	14.00	6.50	7.50	7.50	10.00	7.00	7.40	9.25	7.60
2625 lin.ft. circular brick or concrete sewer, 4 ft., 9 in. diameter	8.50	15.00	7.25	8.25	8.50	11.00	7.50	7.70	10.00	8.60
1010 lin.ft. circular brick or concrete sewer, 5 ft., 3 in. diameter	9.30	18.00	8.00	9.00	9.25	15.00	8.00	8.30	11.00	11.30
970 lin.ft. circular brick or concrete sewer, 6 ft., 3 in. diameter	11.00	20.00	9.50	11.00	11.00	16.00	9.00	9.50	12.50	13.70
2 14-in. special sluice gates with spigots	75.00	75.00	90.00	75.00	50.00	200.00	75.00	120.00	60.00	75.00
2 8-in. special sluice gates with spigots	60.00	50.00	35.00	50.00	25.00	100.00	30.00	80.00	50.00	40.00
2 20-in. special sluice gates with spigots	100.00	100.00	175.00	125.00	75.00	300.00	150.00	170.00	100.00	100.00
13,500 lin.ft. for support, etc., of electric (overhead trolley) R.R., 1 track	2.28	2.00	1.00	2.25	6.00	.50	3.00	5.00	3.00	10.00
150 lin.ft. water pipe, 4-in.	.50	.30	.75	.35	.30	.60	.60	.65	.75	.75
1650 lin.ft. water pipe, 6 in.	.60	.50	1.10	.35	.40	.90	.80	.75	.90	1.00
600 lin.ft. water pipe, 8-in.	.75	.60	1.50	.50	.50	1.20	1.00	1.00	1.15	1.25
450 lin.ft. water pipe, 16 in.	1.00	1.20	2.00	.85	.90	2.40	1.25	1.80	2.00	2.50
6200 lin.ft. water pipe, 20-in.	1.00	1.50	3.00	1.20	.25	3.00	1.50	2.25	2.40	2.75
100 service connections for water pipes, all sizes	20.00	15.00	20.00	12.00	5.00	20.00	15.00	12.00	5.00	15.00
200 lin.ft. gas pipe, 3 in.	.40	.30	.50	.35	.30	.50	.60	.65	.75	.50
50 lin.ft. gas pipe, 4 in.	.60	.30	.75	.35	.40	.60	.70	.75	.90	.75
800 lin.ft. gas pipe, 6 in.	.75	.60	1.00	.35	.50	.90	.80	1.00	1.15	1.00
1150 lin.ft. gas pipe, 8 in.	.80	.80	1.25	.50	.60	1.20	1.00	1.20	1.40	1.25
900 lin.ft. gas pipe, 10 in.	1.00	1.00	1.50	.60	.70	1.50	1.20	1.50	1.65	1.50
50 lin.ft. gas pipe, 12 in.	1.25	1.25	1.75	.75	.75	1.80	1.50	1.75	2.00	1.75
8380 lin.ft. 6 in. w.i. by-passing pipe, upon or below street	1.20	1.25	2.00	1.20	1.25	3.00	3.00	2.00	3.50	3.00
4800 lin.ft. 8-in. w.i. by-passing pipe, upon or below street	1.45	2.00	2.75	1.50	2.00	3.00	3.25	2.30	5.00	3.25
350 lin.ft. 4-in. w.i. by-passing pipe, upon or below street	1.05	1.00	1.00	1.40	1.00	2.50	2.75	1.50	2.50	2.50
120 lin.ft. 12-in. w.i. by-passing pipe, on trestle	5.00	3.00	4.00	3.50	3.50	3.50	3.00	4.00	7.00	4.50
120 lin.ft. 6-in. w.i. by-passing pipe, on trestle	2.75	2.00	2.75	1.70	2.00	3.00	2.50	2.00	6.00	3.00
270 lin.ft. 18-in. w.i. by-passing pipe, on trestle	6.00	5.00	6.00	5.50	5.00	5.50	4.00	5.00	10.00	7.00
200 lin.ft. catenary for over 16-in. by-passing pipe	5.50	2.00	3.00	2.25	2.50	3.00	5.00	2.50	7.00	4.50
180 lin.ft. catenary for 16 in. and under by-passing pipe	5.50	2.00	3.00	2.25	2.50	3.00	5.00	2.00	5.00	2.25
250 lin.ft. service connections for gas pipes	10.00	10.00	20.00	6.25	5.00	20.00	12.00	12.00	10.00	10.00
75 tons new c.i. hub and spigot straight pipe	45.00	40.00	35.00	35.00	30.00	50.00	30.00	35.00	33.00	35.00
20 ton new c.i. hub and spigot special pipe	70.00	70.00	70.00	80.00	65.00	100.00	60.00	70.00	75.00	65.00
2300 duct ft. electric ducts and conduits, in place	.60	.50	.65	.40	.50	.75	.30	.50	.50	.54
100 lin.ft. 2½ in. w.i. pipe, electric conduits	.80	1.00	.65	.35	.75	1.00	.40	.40	.50	.65
100 lin.ft. 3 in. w.i. pipe, electric conduits	.90	1.00	.65	.40	.75	1.00	.40	.45	.60	.70
100 lin.ft. 3½-in. w.i. pipe, electric conduits	1.00	1.00	.65	.50	.75	1.00	.40	.50	.70	.75
100 lin.ft. 4-in. w.i. pipe, electric conduits	1.10	1.00	.65	.75	.75	1.00	.40	.55	.80	.80
100 lin.ft. 4½-in. w.i. pipe, electric conduits	1.20	1.00	.65	1.00	.75	1.00	.40	.60	.90	.85
100 lin.ft. 2-in. Edison conduit	.60	1.00	.65	.35	.75	1.00	.40	.45	1.00	1.25
100 lin.ft. 2½-in. Edison conduit	.80	1.00	.65	.35	.75	1.00	.40	.50	1.25	1.50
100 lin.ft. 3-in. Edison conduit	1.00	1.00	.65	.40	.75	1.00	.40	.60	1.50	1.75
20 service connections for electric ducts	15.00	20.00	10.00	10.00	25.00	25.00	15.00	15.00	25.00	15.00
300 duct ft. wooden electric ducts and conduits	.60	.70	.65	.25	.75	1.00	.30	.50	.50	.60
Extended totals	$1,692,370	$1,849,286	$1,879,998	$1,953,097	$2,010,207	$2,110,057	$2,112,924	$2,150,242	$2,184,360	$2,811,475